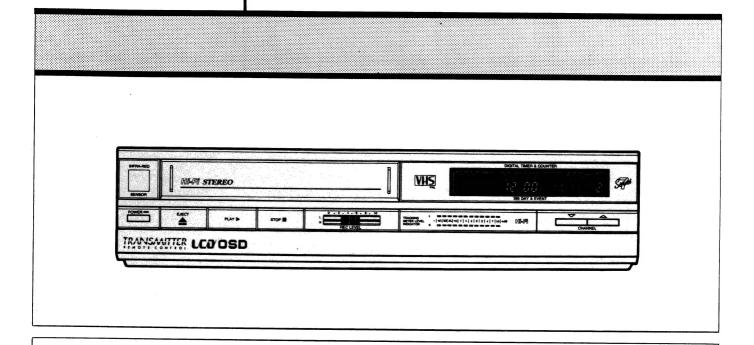


SERVICE MANUAL

SVM-P8-002-1E 68139 - 082 - 102



SPECIFICATION

Format:

VHS PAL standard

Recording System:

Rotary, azimuth two-head helical

scanning system

Television System:

PAL colour and B/W signal

Tape Width:

12.65mm (1/2 inch)

Tape Speed:

SP:23.39mm/sec,

Record/Playback Time:

LP:11.695mm/sec

4(8) hours with E-240 Tape in SP(LP) mode

FF/REW Time:

Less than 6min. with E-180

Video: 2 Rotary heads

Audio: 2 Rotary heads (Hi-Fi)

Audio/Control: 1stationary

head(Mono)

Erase: 1 Full track Erase

1 Audio track erase(Linear)

Video

Heads

Input:

0.5 to 2.0 Vp-p:750hm unblance

Output:

Signal-to-Noise Ratio:

Horizontal Resolution:

1.0 Vp-p 750hm unblance Better than 40dB (SP/LP)

More than 240 Lines

Audio

Input:

Audio IN(L,R)jack(RCA):

-8dBm, 47Kohm unbalanced

Output:

Audio Out(L,R) jack(RCA): -6dBm, 1Kohm unbalanced

Better than 80dB (Hi-Fi)

Dynamic Range: Wow-Flutter:

Less than 0.005%(Hi-Fi)

Frequency

Characterristics:

20-20000Hz(Hi-Fi)

RF Output:

75 ohm unbalanced

CCIR UHF channel 30 to 39

(adjustable), Preset to 36

Power Requirement:

AC 240V, 50Hz (UK) AC 220V, 50Hz(W/G)

Operating Temperature:

5 to 40 DEG.C (41 F-104 F)

Operating Humidity:

10% - 75%

Power Consumption:

Approx. 30 watts (When the

POWER button is OFF Approx.

7.3 watts)

Dimensions:

420(W) x 93(H) x 367 (D) mm

Weight:

18.7 lbs(8.5kg)

CONTENTS

1. GENERAL DESCRIPTION		3. MECHANICAL ADJUSTMENT	
1-1. Safety Precautions	1-1	3-1. Mechanical Adjustment Tools	3-1
1-2. General Information	1-3	3-2. Reel Disk Heights	3-2
1-3. Operating Controls and Functions	1-4	3-3. Back Tension Adjustment	3-2
1-4. Abbreviations	1-12	3-4. Arm Tension Position Adjustment	3-2
1-5. Cleaning and Lubrication	1-14	3-5. Brake Torque Confirmation	3-2
1-3. Cleaning and Eubrication	1 11	3-6. Play, Fast forward, Rewind Torque	
		Confirmation	3-3
2. DISASSEMBLY		3-7. Rough Tape Travel Check	3-3
2. DISASSEMBLY		3-8. Creasing or Slack Tape	3-3
0.1 Lesterment Discountly	2.1	3-9. Mechanical Interchangeability	55
2-1. Instrument Disassembly	2-1 2-1	Considerations	3-3
2-1-1. Top Cabinet Removal			3-4
2-1-2. Bottom Cover Removal	2-1 2-1	3-10. Interchangeability Confirmation	3-4
2-1-3. Front Panel Removal	2-1		3-4
2-1-4. Function Switch & Timer Input Key Circuit	2.1	3-12. Audio/Control Head (Height/Tilt/Azimuth)	3-5
Board Removal	2-1	3-13. Guide Roller Adjustment	5-5
2-1-5. Main-B(Hi-Fi) Circuit Board Removal	2-1	3-14. Audio/Control (A/C) Head Horizontal	3-5
2-1-6. Main -B Circuit Board Removal	2-2	Position	5-5
2-1-7. Main-A(Y/C) Circuit Board Removal	2-2	3-15. Operating The VCR Without Inserting a	2 5
2-1-8. Regulator Circuit Board Removal	2-2	Cassette Tape	3-5
2-1-9. Tuner Circuit Board Removal	2-2	A FLECTRICAL AD HICTMENTS	
2-2. Mechanical Disassembly	2-3	4. ELECTRICAL ADJUSTMENTS	
2-2-1. Housing Assembly Removal	2-5	14.61 1.7 17 11 171 175 1	4 1
2-2-2. Housing Assembly Identification	2-6	4-1. Circuit Board Location and Identification	4-1
2-2-3. Housing Assembly Disassembly	2-6	4-2. Servo Section in Main B PCB	4-2
2-2-4. How to Assembly Cassette Housing	2-8	4-2-1.P.G (Pulse Generator) Shifter Adjustment	4-2
2-2-4-1. Without Jig for Assembling	2-8	4-2-2. Tracking Preset Adjustment	4-2
2-2-4-2. With Jig for Assembling	2-9	4-2-3. Vertical Lock Pulse Adjustment	4-3
2-2-5. Mecha Chassis Assembly Removal	2-9	4-2-4. Fine Still Adjustment	4-3
2-2-6. Video Head (Upper Drum) Removal and		4-3. Luma/Chroma Section in Main-A P.C.B	4-3
Drum Motor Assembly Removal	2-9	4-3-1. E-E Level Adjustment	4-4
2-2-7. Full Erase (FE) Head/Supply Roller		4-3-2. Video Signal DC Level Adjustment	4-4
Removal	2-10	4-3-3. PB Luminance(Y) Level Adjustment	4-4
2-2-8. Audio/Control (A/C) Head Removal	2-10	4-3-4. PB Chrominance Level Adjustment	4-4
2-2-9. Loading Motor Assembly Removal	2-10	4-3-5. Noise Cancel Adjustment	4-5
2-2-10. Tension Arm Assembly, Tension Band		4-3-6. Sub Carrier Frequency Adjustment	4-5
Assembly Removal	2-11	4-3-7. SECAM Adjustment	4-5
2-2-11. Brake Sub (R) Assembly and Brake		4-3-8. REC FM Current Level Adjustment	4-5
Sub (L) Assembly Removal	2-11	4-3-9.REC Chrominance Level Adjustment	4-5
2-2-12. Brake Main (L) Assembly and Brake		4-3-10. OSD Level Adjustment(OPTION)	4-5
Sub(R) Assembly Removal	2-12	4-4. Hi-Fi Section in Main-C P.C.B	4-6
2-2-13. D.D Capstan Motor Removal	2-12	4-4-1.E-E Level Adjustment	4-6
2-2-14. Assembly Gear Loading (L)(R) Removal	2-12	4-4-2.Audio Playback Level Adjustment	4-7
2-2-15. Gui de Roller Assembly Removal	2-12	4-4-3. Audio Deviation Adjustment	4-7
2-2-16. ReelDisk (S) Assembly Removal	2-13	4-4-4.Drop Out Level Adjustment	4-7
2-2-17. ReelDisk (T) Assembly Removal	2-13	4-4-5.Level Meter Adjustment	4-7
2-2-18. Pinch Roller Assembly and Pinch Roller		4-5.Normal Audio Section in Main-B P.C.B	4-7
Arm Assembly Removal	2-13	4-5-1.Playback Output Level Adjustment	4-7
2-2-19. Assembly Holder LED Removal	2-14	4-5-2.Audio Bias Current Adjustment	4-7
2-2-20. Review Arm Assembly Removal	2-14	4-6. Tuner Block Adjustment	4-8
2-2-21. Drum Assembly Removal	2-14	4-6-1. Dual Sound Level Adjustment	4-8
2-2-22. Assembly Photo Interrupter Removal	2-15	4-6-1-1.L-CH Output Level Adjustment	4-8
2-2-23. I.B Slide Assembly and Plate Main Slide	150 TO 1	4-6-1-2. R-CH Output Level Adjustment	4-8
Removal	2-15	4-6-2.Stereo Sound Distortion And Output Level	
2-2-24. IdlerClutch Assembly Removal	2-15	Adjustment	4-8
		4-6-2-1.Distortion Adjustment	4-8
		4-6-2-2. Stereo Output Level Adjustment	4-8

5.TIMING CHART/TROUBLESHOOTING GUIDE

5-1.Timing Chart	5-1
5-1-1.Cassette Load/Unload	5-1
5-1-2. Stop/Play/Stop	5-1
5-1-3. Play or . x2/Pause/F.ADV/Play or x2	5-2
5-1-4. Play or . x2/R. Search/Play or . x2	5-2
5-1-5. Play or . x2/F.Serach/Play or . x2	5-3
5-1-6. Stop/REW/Stop	5-3
5-1-7. Ston/FF/Ston	5-4
5-1-8. Stop/REC or Timer REC/Stop	5-4
5-2. Troubleshooting Guides	5-5
5-2-1. Power Loss/Power Switch Inoperative	5-5
5-2-2. Play Mode Inoperative	5-5
5-2-2. Play Mode Inoperative	
Play Mode	5-6
5-2-4. Record Mode Inoperative	5-7
5-2-5. Fast Forward Mode Inoperative	5-7
5-2-6. Rewind Mode Inoperative	5-8
5-2-7. FWD Search Mode Inoperative	5-8
5-2-8. REV Search Mode Inoperative	5-9
5-2-9. Cassette Loading Mechanism	
Does Not Operate	5-9
5-2-10.Drum Does Not Rotate	5-10
5-2-11.Capstan Does Not Rotate	5-10
5-2-13. Tuning Inoperative	5-11
5-2-14. Video Missing in E-E Mode	5-12
5-2-15. Video Missing in Record Mode	5-12
5-2-16. Video Missing in Play Mode	5-13
5-2-17. Color Missing in Record Mode	5-14
5-2-18. Color Missing in Play Mode	5-15
5-2-19. Audio Missing in E-E Mode	5-16
5-2-20. Linear Audio Missing in Record Mode	5-17
5-2-21.Linear Audio Missing in Playback Mode	5-17
5-2-22. Hi-Fi Audio Missing in Record Mode	5-18
5-2-23. Hi-Fi Audio Missing in Playback Mode	5-18
6. MECHANICAL/ELECTRICAL	
REPLACE MENT PARTS LIST	
HEFEACE MENT PARTS EIST	
7. MECHANICAL EXPLODED VIEWS	
7-1. Instrument Assembly	7-2
7-2. Transport Mechanism Assembly	7-3
7-3. Bottom Side Mechanism Assembly	7-4
7-4. Housing Assembly	7-5
8. BLOCK DIAGRAMS	
8-1. Total Wiring Diagram	8-2
8-2. Servo Block	8-3
8-2-1. Drum Speed & Phase Control	8-3
8-2-2. Capstan Speed & Phase Control	8-3
8-3. Video Block	8-4
8-3-1.Luminance Playback Process	8-4
8-3-2.Luminance Record Process	8-4
8-3-3. Chrominance Playback Process	8-4
8-3-4. Chrominance Record Process	8-4
8-4.Audio & Input Output Select	8-5
8-5.Hi-Fi	8-5

9. CIRCUIT BOARDS

9-1. Regulator	9-2
9-2. Deck Joint	9-3
9-3. Audio Control Head	9-3
9-4. Cassette LED	9-3
9-5. Reel Sensor	9-3
9-6. Start Sensor	9-3
9-7. End Sensor	9-4
9-8. Program Switch	9-4
9-9. Pre-AMP	9-4
9-10. Remote Control	9-4
9-11. Main A(Y/C,Input Output Select)	9-5
9-12. Main B(Syscon/Servo, Audio)	9-6
9-13 .Main C (Hi-Fi)	9-7
9-14. Tuner	9-7
9-15. Function Timer	9-8
10 SCHEMATIC DIACDAMS	
10. SCHEMATIC DIAGRAMS	
	10-2
10-1. Regulator	10-2 10-3
10-1. Regulator	10-3
10-1. Regulator	10-3 10-5
10-1. Regulator	10-3 10-5 10-6
10-1. Regulator	10-3 10-5 10-6 10-7
10-1. Regulator	10-3 10-5 10-6 10-7 10-10
10-1. Regulator	10-3 10-5 10-6 10-7 10-10 10-11
10-1. Regulator	10-3 10-5 10-6 10-7 10-10 10-11 10-12
10-1. Regulator	10-3 10-5 10-6 10-7 10-10 10-11 10-12 10-13
10-1. Regulator	10-3 10-5 10-6 10-7 10-10 10-11 10-12 10-13 10-13
10-1. Regulator	10-3 10-5 10-6 10-7 10-10 10-11 10-12 10-13

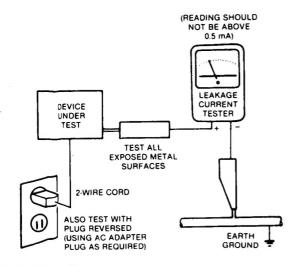
1.GENERAL DESCRIPTION

1-1. SAFETY PRECAUTIONS

- 1. Before returning a Video Cassette Recorder to the customer, always make a safety check of the entire instrument, including, but not limited to the following items:
- a. Be sure that no built-in protective devices are defective and/or have been defeated during servicing. (1) Protective shields are provided on this chassis to protect both the technician and the customer. Correctly replace all missing protective shields, including any removed for serviceing convenience. (2) When reassembling the instrument, be sure to put back in place all protective devices, including, but not limited to nonmetallic control knobs, insulating fishpapers, adjustment and compartment covers/shields, and isolation resistor/capacitor networks.

Do not operate this instument or permit it to be operated without all protective devices correctly installed and functioning.

- b. Be sure that there are no cabinet openings through which an adult or child might be able to insert their fingers and contact a hazardous voltage. Such openings include, but are not limited to, (1) excessively wide cabinet ventilation slots, and (2) improperly fitted and/or incorrectly secured cabinet covers.
- c. Antenna Cold Check-With the instrument AC plug removed from any AC source, connect an electrical jumper across the two AC plug prongs. Place the instrument AC switch in the on position. Connect one lead of an ohmmeter to the AC plug prongs tied together and touch the other ohmmeter lead in trun to each tuner antenna input exposed terminal screw and, to each of the coaxial connectors. If the measured resistance is less that 1.0 megaohm or greater than 5.2 megaohm, an abnormality exists that must be corrected before the instrument is returned to the customer.



AC Leakage Test

Repeat this test with the instrument AC switch in the off position.

d. Leakage Current Hot Check - With the instrument completely reassembled plug the AC line cord directly into a 220V(240V /UK) AC outlet. (Do not use an isolation transformer during this test.) Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI) C101. 1 Leakage Current for Appliances and Underwriters Laboratories (UL) 1410, (50.7). With the instrument AC switch first in the on position and then in the off position, measure form a known earth ground (metal waterpipe, condult, etc) to all exposed metal parts of the instrument (antennas, handle bracket, metal cabinet, screwheads, metallic overlays, controls shafts, etc)., especially any exposed metal parts that ofter an electrical retune path to the chassis. Any current measured must not exceed 0.5milliamp. Reverse the instrument power cord plug in the outlet and repeat test.

ANY MEASUREMENTS NOT WITHIN THE LIMITS SPECIFIED HEREIN INDICATE A POTENTIAL SHOCK HAZARD THAT MUST BE ELIMINATED BEFORE RETURNING THE INSTRUMENT TO THE CUSTOMER OR CONNECTING ANTENNA OR ACCESSORIES.

e. AC Leakage Test

Avoid shock hazards. The television instrument, accessory, or cables(s) to which this VCR is connected should have the applicable sections of the antennas cold check and the leakage current hot check performed. Do not connect this VCR to a TV antenna, cable or accessory that exhibits excessive leakage currents.

- 2. Read and comply with all caution and safety related notes on or inside the VCR cabinet and chassis.
- 3. Design Alteration Warning Do not alter or add to the mechanical or electrical design of this Video Cassette Recorder. Design alterations and additions, including, but not limited to circuit modifications and the addition of items such as auxiliary audio and/or video output connections, might alter the safety characteristics of this instrument and create a hazard to the user. Any design atterations or additions may void the manufacturer's warranty and may make you, the servicer responsible for personal injury or property damage resulting therefrom.
- 4.Observe original lead dress. Take extra care to assure correct lead dress in the following areas: a. n=ar sharp edges, b. near thermally hot parts- be sure that eads and components do not touch thermally hot parts the AC supply, and d. antenna wiring. Alway inspect in all areas for pinched, out-of place, or frayed wiring. Do not change

spacing between components, and between components and the printed circuit board. Check AC power cord for damage.

5. Components, parts, and/or wiring that appear to have overheated or are otherwise damaged should be replaced with components, parts, or wiring that meet original specifications. Additionally, determine the cause of overheating and/or damaged and, if necessary, take corrective action to remove any potential safety hazard.

6. PRODUCT SAFETY NOTICE

Some electrical and mechanical parts have special safetyrelated characteristics which are often not evident from visual inspecition, not can the protection they give necessarily be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by a (*) or (!) on schematics and parts list. Use of a substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire, and/or other hazards. Products Safety is under review continuously and new instructions are issued whenever appropriate.

Electrostatically Sensitive (ES) devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called *Electrostatically Sensitive (ES) Devices*. Examples of typical ES devices are integrated circuits and some field-effect transistor and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

- 1. Immediately before handing any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to appling power to the unit under test.
- 2. After removing an electrical assembly equipped with Es devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
- 3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
- 4. Use only an anti-static type solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
- 5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
- 6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leds electrically shorted together by conductive foam. aluminum foil or comparable conductive material.)

- 7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
- 8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

1-2. GENERAL INFORMATION

Stereo video recorder conforming to the Hi-Fi VHS format, assuring high-quality sound recording and playback with independent rotary audio heads exclusively for Hi-Fi audio recording and playback.

Selectable audio monitoring, Hi-Fi stereo or longitudinal audio track or both mixed (useful for listening to Hi-Fi stereo together with dubbed narration, for example).

* VPS (Video programme System) decorder built in. (OPTION)

Converts the programmed timer data into VPS codes for VPS recording; so you can record even delayed broadcasts accurately and automatically. (VPS broadcasts are available only from TV stations in West Germany.)

* VHS HQ Picture Quality

This VCR incorporates VHS HQ (High Quality) circuitry for improved picture quality. It is fully compatible with earlier VHS VCR's.

- * 1 YEAR / 8 EVENTS TIMER.
- * One Touch Recording (O.T.R)

Two touch-buttons permit automatic timer recording without the need for numberous programming steps. Just enter starting time and length of desired profram up to 24 hours before it airs. VCR will turn on at the coorrect time, record the program, and automatically shut off.

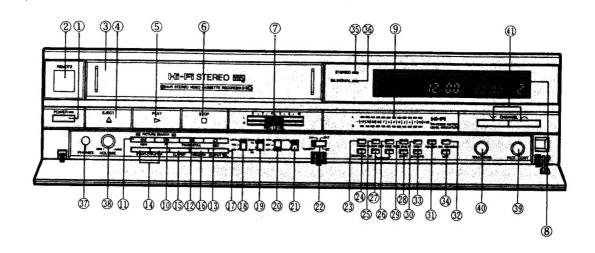
- * Tape Counter and Memory Stop Feature
 The tape counter is used for finding a particular point
 on a pre-recorded.
- * 2-Speed Picture Search

The fast forward and rewind buttons can be used for picture searching when you are playing a tape.
The new 2-speed picture search provides 2 forward and reverse searching speeds.

- * 89 CH Frequency synthesizer tuner with 60 channel storage capacity
- * View a Fine Still Picture.
- * Watch one TV program while recording another.
- * OSD(On Screen Display). (OPTION)
- * LCD Programme can be used.(OPTION)

1-3. OPERATING CONTROLS AND FUNCTIONS.

1-3-1. FRONT VIEW



1.POWER Button Push to turn VCR on and o

Push to turn VCR on and off.

Indicator lights up when Power is on.

2. INFRARED REMOTE Sensor Receives signals from the Remote Control.

3. VIDEO CASSETTE COMPARTMENT Push the cassette gently through the door until you feel the VCR begin to pull the tape into the compartment. The cassette-in indicator in the display will light.

4. EJECT Button Ejects the cassette from the VCR.

5. PLAY Button

Starts playback. If you insert a cassette with the tab removed, the tape will automatically play.

6. STOP Button

Push to stop the tape during playback, recording, rewind or fast-forward.

7. Hi-Fi audio recording level controls. The recording level of Hi-Fi audio signals can be manually adjusted when the ALC switch is in the MANU position. For adjustment, slide these controls referring to the audio level indicators(9); the upper for

left channel and the lower for right channel. When the squares up to 0 dB light with the loudest signal being applied, the recording level is optimum.

8. Fluorescent Display Section

9. Audio Level / Hi-Fi Tracking Indicators

These indicators, one for left channel and one for right channel, show the recording level of Hi-Fi audio signals during recording. During playback, these show the playback level of audio signals. The left-channel indicator also function as a Hi-Fi tracking meter, depending on the setting of the LEVEL INDICATORs witch.

10. F.F/FORWARD SEARCH Button

To fast forward the tape, press this buttom while in the Stop mode. To view the speeded-up picture in the forward direction for programme search, press this button in PLAY mode.

11. REW/REVERSE SEARCH Buttol

To rewind tape, press this button while in the Stop mode. To view the speeded-up picture in the reverse direction for programme search, press this button in PLAY mode.

12. PAUSE / STILL Button

Press to stop the tape temporarily to avoid recording of unwanted material in REC mode or to view a still picture in PLAY mode. Press REC or PLAY button to cancel this mode.

13. REC(RECORD) Button

Push the REC button the start recording.

14.START - OTR - STOP Button The START and STOP buttons are used for OTR recording.

*Press the STOP button if you wish to start recording immediately. Each time you press STOP the VCR will record for another 1/2 hour within 2 hour and another 1hour within from 2 hour to 5 hour.

(You can set the STOP button from 30 minutes to 5

(You can set the STOP button from 30 minutes to 5 hours.)

*Press the START button from if you want to delay the beginning of your recording. Continue to press START until the time you wish to begin recording appears in the fluorescent display. Then press the STOP button for the time you want the VCR to record.

15, CLR / RESET Button

Use to reset the counter to "0000" or to clear the timer setting programme.

16.Memory Button

Press this button. While rewinding, the tape will stop automatically when the counter reaches exactly "0000". But if this the counter is near "0000" ("9995"-"0005") at first, it will be operated like this.

17. OUTPUT SEL Button

For selecting the audio output signals from the AUDIO OUTPUTterminals(L-CH and R-CH), the headphone, and RF out.

Note; Audio monitor select switch have to be in Hi-Fi position.

	AUDIO OUTPUT terminals LCH RCH		Headphone		RF OUT
			LCH	RCH	
In normal state (ST)	L	R	L	R	L+R
First touch (Lch)	L	L	L	L	L
Second touch (Rch)	R	R	R	R	R

18. LEVEL INDICATOR Switch

Selects the function of the audio level / Hi-Fi tracking meter.

OFF: to turn the meter off.

LEVEL: to obtain the indication of audio level.

TRK: to use the meter for Hi-Fi tracking adjustm-

ent.

19. TUNER SOUND SELECT Switch (OPTION) Selects the desired soundtrack to be recorded on the normal audio track. Both soundtracks will be recorded on the Hi-Fi audio track with the main one on channel-L and the sub one on channel-R.

MAIN(L): the record the main sound track (local language on bilingual programme, L CHANNEL on stereo programme).

SUB(R): to record the sub soundtrack
(foreign language on bilingual programme,
R CHANNEL on stereo programme).

20. AUDIO MONITOR SELECT Switch Selects the audio tracks to be listened to. This switch is effective for all audio outputs (RF OUT, HEAD PHO-NE, and AUDIO OUT).

NORM: to listen to the sound on the normal audio track.

MIX: to listen to the mixed sound of Hi-Fi and normal audio tracks (for example, to enjoy Hi-Fi audio while at the same timer listening to a narration dubbed onto the normal audio track).

21. ALC(Audio Level Control) Switch Hi-Fi audio recording level is automatically adjusted to prevent over-level recording in AUTO position. Hi-Fi audio recording level can be manually adjusted

Hi-Fi audio recording level can be manually adjusted with the Hi-Fi REC level slide controls in MANU position.

*Playback level has no relation to the Hi-Fi REC LEVEL controls.

*The recording level of normal audio signals is always adjusted automatically regardless of the setting of the ALC switch.

22. SOURCE SELECT Switch For selecting the recording input signal.

TUNER:To record signals coming from the built-in tuner.

AV: To record signals coming from a unit connected to the rear panel AUDIO / VIDEO socket.

SC: To record the video signal and the normal audio signal from the built-in tuner and the Hi-Fi audio signal from the rear panel AUDIO IN connectors. When recording FM simulcast TV programmes, use this position.

EXT: To record signals coming from a unit connected to the rear panel AUDIO IN and VIDEO IN connectors.

23. TIMER Button

Press this button after programming for unattended recording. Press to stop timer recording.

24.COUNT/CH.CC Button

Press this button to switch between the rear channel display and the tape counter display in the VCR fluorescent display section.

25.CLOCK SET Button

Press this button for clock setting.

26. ONE TIME Button

Press this button when you want to preset the time for unattended recording. The entire display will change to the time set mode.

27." +" "-" Button

Press these buttons for timer recording (one time, weekly, daily), selection of a real channel, and MFT operation.

28.SHIFT Button

Press this button to go to the next step while you are doing CLOCK setting, TIMER recording, or the selection between CH and CC.

29.DAILY Button

Press this button when you want to record the same time daily (Monday - Friday).

The entire display will change to the time set mode.

30.WKLY(Weekly) Button

Press this button when you want to record the same time weekly.

The entire display will change to the time set mode.

31. REVIEW Button

Press this button when you want to review the timer programme.

32.CH. SEARCH Button

Press this button for automatic channel search.

33. STR/VPS Button (OPTION)

- *Press this button for pre-tuning the built-in tuner to TV stations in your area when obtained real channel mode with (24) button.
- *Remove VPS recording by pressing in the timer set mode. Because initial state of this button is VPS ON.

34. MFT Button

Use to tune for fine picture. After pushing MF button, control(+) and(-)button to show better picture.

35. STEREO Indicator (OPTION)

Lights when a stereo programme is being received.

36. BILINGUAL Indicator (OPTION)

Lights when a bilingual programme is being received.

37. Headphone Jack (HEADPHONE)

Connect a set of headphone for monitoring or private listening.

38. HEADPHONE LEVEL Control

Adjusts the level of audio output from the headphone jack.

39. PICTURE SHARPNESS Control

Turn this knob clockwise to make the picture sharper. Turn counter clockwise to give the picture a softer tone. It is effective only for playback pictures. (No effect for recording)

40. TRACKING Control

Use this control to eliminate noise bars, if observed during playback.

Hi-Fi audio tracking can also be optimised using this control. When noise or breaks are sensed in the reproduced Hi-Fi sound, perform tracking adjustment. For this purpose, set the LEVEL INDICATOR switch to TRK and turn this control so that the greatest number of squares of the left channel audio level indicator light. (Only the left channel indicator lights in this case.)

41. CHANNEL UP or DOWN BUTTON

Press and hold the UP/DOWN side to review quickly press channels which are higher or lower than the currently tuned preset channel. Release the button when the desired channel number appears the FDP(fluorescent display panel).

1-3-2. REAR PANEL VIEW.

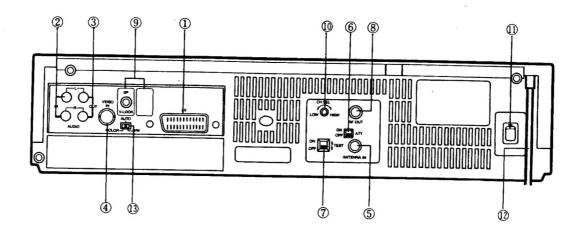


Fig.2

1. AUDIO/VIDEO Socket.

A 21-pin standardised audio/video input/output socket for the connection to a stereo TV equipped with the same type of socket. The audio output can be selected with the AUDIO MONITOR SELECT switch.

2. AUDIO IN Connectors

Connect to other audio source for recording sound when SOURCE SELECT switch is in EXT position.

3.AUDIO OUT Connectors

Both Hi-Fi and normal audio signals can be obtained from these connectors. The output can be selected with the AUDIO MONITOR SELECT switch.

4. VIDEO IN Connector

Connect to other video source for recording video when SOURCE SELECT switch is in EXT position.

5. ANTENNA IN Connector

Connect an aerial to this connector.

Attenuator Switch(ATT)

Set to OFF to receive broadcasts from distant stations. Set to ON to receive broadcasts of high field strength. Use a screwdriver for setting this switch.

7. Test Signal Switch (TEST)

Set to ONwhen tuning your TV receiver for the video channel. A test signal in the form of two vertical white bars will be available.

8. RF OUT Connector

Connect to the aerial connector of a TV receiver through the aerial cable (provided).

9. V.LOCK Adjustment Screw

When operating in the Still mode, adjust this screw to eliminate some vertical vibration of the picture, by using a screwdriver.

10. CHANNEL SELECTOR

In some areas the pre-set RF-output of your video cassette recorder may clash with a TV broadcast. If this occurs rotate this control using a small screwdriver in a clockwise or counterclockwise direction. A new video channel has now been set and you will need to return your television video channel to the new RF output.

11. Main Power Switch

12.Power Cord

13. VIDEO MODE SELECT Switch

* B/W(Black and White) mode
Show B/W screen subtracted color.
If B/W screen appears with inserted color tape, check
this switch position.

* AUTO mode

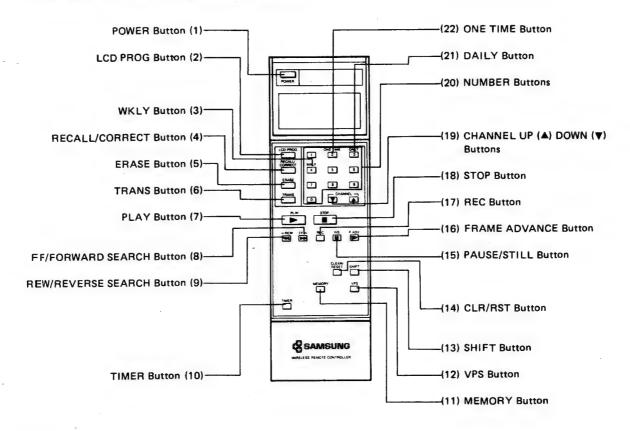
If video signal has nice color signal, show color screen. But if not, or if color signal is noisy, show B/W screen.

*Color mode

Show color screen whenever video signal has color signal.

Note:Except special cases, the position of SW is hold in Auto.

1-3-3. REMOTE CONTROLLER (SVX-319, VB-770)



1. POWER Button

Power on and off the VCR.

2. LCD PROG Button

Press this button to bring Remote Control to LCD programming for programming the timer.

3. WKLY Button (Only LCD programming)

Press this button when you want to record the same timer weekly.

The entire display will change to the timer set mode.

4. RECALL / CORRECT Button

Press this button to correct LCD programme like CLR/RST button in your VCR's set.

5. ERASE Button

Press the button to erase only LCD programme.

6. TR ANS Button

Press this button to transfer LCD programme from Remote Control to your VCR's set.

7. PLAY Button Startsplayback.

8.FF/FORWARD SEARCH Botton

To fast forward the tape, press this button while in the stop mode. To view the speeded-up picture in the forward direction for programme search, press this button

in PLAY mode.

9. REW/REVERSE SEARCH Button

To rewind the tape, press this button while in the Stop mode. To view the speeded-up picture in the reverse direction for programme search, press this button in PLAY mode.

10. TIMER Button

Press this button after programming for unatt ended recording. Press to stop timer recording and 0.T.R recording.

11. MEMORY Button

Press this button. While rewinding, the tapewill stop automatically when the counter reaches exacly "0000".

12. VPS Button (OPTION)

Press for VPS recording in the timer set node. Because initial state of this button is VPS 0 FF.

13. SHIFT Button

Press this button to go to the next step while you are doing TIMER recording or the selection let ween CH and CC.

14.CLR/RST Button

Use to reset the counter to "0000".

15. PAUSE/STILL Button

Press to stop the tape temporarily to avoid recording of unwanted material or to view a still picture in PLAY mode. Press to play button to cancel this mode.

16. FRAME ADVANCE Button

If the scene of your VCR set has much noise in STILL mode when playing, you can find less noisy scene with playing little by little by pressing this button.

Note; If tape condition is bad, you may not find nice scene.

17. REC Button

Press REC Button to begin recording.

18. STOP Button

Stop whatever the VCR is doing (record, playback, rewind, or fast forward).

19. CHANNEL UP or DOWN Button

Press and hold the UP/DOWN side to review quickly Preset channels which are higher or lower than the currently tuned preset channel. Release the button when the desired channel number appears on the FDP (fluorescent display panel).

20. NUMBER Button (0 though 9)

Select any channel (whether or not it is in the tuner scanlist) by pressing two buttons. (Press"0",then "8", for channel 8.) These buttons are also used for setting the clock and programming the timer.

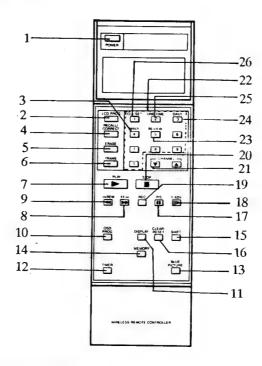
21. DAILY Button (Only LCD Programming)
Press this button when you want to record the same time set mode.

22. ONE TIME Button (Only LCD Programming)

Press this button when you want to preset the time for unattended recording.

The entire display will change to the time set mode.

1-3-4.REMOTE CONTROL(VI-770,VX-770)



Location and Functions of the Remote Control Button

1. POWER Button Power on and off the VCR.

2. LCD PROG Button

Press this button to bring Remote control to LCD programming for programming the timer.

3. WKLY Button (Only LCD Programming)
Press this button when you want to record the same time weekly. The entire display will change to the time set mode.

4. RECALL/CORRECT Button Press this button to correct LCD programme like CLR/RST button in your VCR's set.

5. ERASE Button Press this button to erase only LCD programme.

6. TRANS Button

Press this button to transfer LD programme from Remote Control to your VCR's set.

7. PLAY Button Starts playback.

8. FF/FORWARD SEARCH Button

To fast forward the tape, press this button while in the stop rnode. To view the speeded-up picture in the forward direction for programme search, press this button in PLAY mode.

9. REW/REVERSE SEARCH Button

To rewind the tape, press this button while in the Stop mode. To view the speeded-up picture in the reverse direction for programme search, press this button in PLAY mode.

10. OSD (On Screen Display) PROGRAMME Button Press this button to switch VCR's mode to OSD programme mode.

11. DISPLAY Button

Press this button to switch VCR'smode to 0 SD function mode.

12. TIMER Button

Press this button after programming for unattended recording. Press to stop timer recordingared O.T.R. recording.

13. BLUE PICTURE Button

Press this button to make VCR's screen blue picture. You can use this button to see valid O.S.D.

14. MEMORY Button

Press this button. While rewinding, the tape will stop automatically when the counter reaches exa ctly "0000".

15. SHIFT Button

Press this button to go to the next step while you are doing TIMER recording or the selection be tween CH and CC.

16. CLR/RST Button

Use to reset the counter to "0000". You can use this button for correcting OSD programme digit.

17. PAUSE/STILL Button

Press to stop the tape temporarily to avoid recording of unwanted material or to view a still picture in PLAY mode.

18. FRAME ADVANCE Button

If the scene of your VCR set has much noise in STILL mode when playing, you can find less noisy scene whith playing little by little by pressing this button.

NOTE: If tape condition is bad, you may not find nice scene.

19. REC Button

Press REC Button to begin recording.

20. STOP Button

Stops whatever the VCR is doing (record, playback, rewind, or fast forward).

21. CHANNEL UP or DOWN Button

Press and hold the UP / DOWN side to review juickly preset channels which are higher or lower than the currently tuned preset channel. Release the button when the desired channel number appears on the FDP (fluorescent display panel).

22. NUMBER Button (0 through 9)

Select any channel (whether or not it is in the tuner scan list) by pressing two buttons. (Press "0", then "8", for channel 8.).

These buttons are also used for setting the clock and programming the timer.

23. REVIEW Button

Press this button when you want to review the timer programme.

24. DAILY Button (Only LCD Programming) Press this button when you want to record the same time daily. The entire display will change to the time set mode.

25. ONE TIME Button (Only LCD Programming)
Press this button when you want to preset the time for unattended recording. The entire display will change to the time set mode.

26. CLOCK SET Button

Press this button to set the clock in OSD programme mode.

1-4. ABBREVIATIONS

2 X	: Double	CE	Francisco COD F. 11 O.
4.43MHz	: Color Sub Carrier	CE	: Earom OSD Enable Out
		DO	: Earom S.Data Out
ACC	: Automatic Color Circuit	DI	: Earom S.Data In
ACK	: Automatic Color Killer	DRUM.S	: Drum Sensor (H'd Switching)
ADD	: Adder	DAVA	: Data Available Of VPS.
AFC	: Automatic Frequency Control	D.FG	: Drum Frequency Generator
AFT	: Automatic Fine Tuning	D.M.M	: Delayed Monostable
AGC	: Automatic Gain Control		Multivibrator
AL	: Always	D.O.P	: Drop Out Pulse
ALC	: Automatic Level Control	D.O.C	: Drop Out Compensator
AMP	: Amplifier	D.P.G	: Drum Pulse Generator
APC	: Automatic Phase Control	D/A	: Digital - to - Analog
AUD	: Audio	D/C	: Dark/Clip
AUX	: Auxillary	D/W	: Dark/White
T) 4 (1970)	_	D.AFC	: Drum Auto Frequency
BATT	: Battery		Control
BE	: Burst Emphasis	D.APC	: Drum Auto Phase Control
BD	: Burset De-Emphasis	DE-EMPH	: De - Emphasis
ВН	: Power Supply for Selecting VHF	DEM	: Demodulator
DY	High Band	DET	: Detector
BL	: Power Supply for Selectiong	DEV	: Deviation
DDE	VHF Low Band	DL	: Delay Line
BPF	: Band Pass Filler	D.LIM	: Double Limiter
BU	: Back Up	DLYD	: Delayed
C.FG	Cometon Francisco	DM	: Drum Motor
C.FREERUN	: Capstan Frequency Generator	DN	: Down
C.MEMORY	: Capstan Free Run : Counter Memory	T3 T3	
C.SYNC	: Composite Sync	E-E	: Electronic-to-Electronic
C.RESET	: Counter Reset	EMPH	: Emphasis
C.REVERSE	: Counter Reverse	ENV	: Envelope
C/R	: Cue/Rev	EQ	: Equalizer
CAFC	: Capstan Auto Frequency Control	EXT	: External
CAPC	: Capstan Auto Phase Control	EADY	T
CATV	: Cable TV	F.ADV F-V	: Frame Advance
CAR	: Carrier	r-v	: Frequency to Voltage
CB	: Carrier Balance	F.FWD	Converter
CAP	: Capstan	FB	: Fast Forward
CCD	: Charge Coupled Devices	FH	: Feed Back
СН	: Channel	FG	: Frequency Horizontal
CHAR.	: Character	FM	: Frequency Generator
CHROMA	: Chrominance	FSC	: Frequency Modulator
CM	: Capstan Motor	FWD	: Sub Carrier Frequency : Forward
CNT	: Counter	F/R/M	: FF/REW/Motor Control
COM	: Common	1/14/141	. IT/KEW/Motor Control
COMP	: Comparator	GEN	: Generator
COMPE	: Compensator	GND	: Ground
CON	: Control	02	. Ground
CONV	: Converter	HPF	: High Pass Filter
CST	: Cassette	HSS	: Horizontal Syncs eparator
C-EMP	: Current Emphasis		. Horizontal Synt's eparator
C-ERR	: Capstan Error	I/O	: Input/Output
CM-RUN	: Capstan Motor Error	ĬF	: Intermediate Frict uency
CAM.P	: Camere Pause	INJ	: Injector
			,

IR	: Infrared	S/S/S	: Slow/Still/Stop
IL	: Current Limit	S.CLK	: Syscon Control
IL	. Carrent Dimit	S.DI	: Syscon Data In
* (0	: Luminance/Chrominance	S.DO	: Syscon Data Out
L/C		S.EN	: Syscon Enable
LED	: Light Emitting Diode	SRST	: Syscon Reset
LIM	: Limitter		
LPF	: Low Pass Filter	SCK	: Syscon Enable
LS	: Lactch Strobe		
LUMA	: Luminance	SDI	: Syscon Data In
		SDO	: Syscon Enable
M.C	: Main Converter	SDA	: Serial Data
MIX	: Mixer	SCL	: Serial Clock
MM	: Monostable Multivibrator		
	: Manual Fine Tunning	T.EN	: Tuner Enable
MFT		T.CL	: Tuner Clock
MOD	: Modulator	T.DA	: Tuner Data
M.SFT	: Mecah Shift		
		T.MUTE	: Tuner Channel Mute
NR	: Noise Reduction	T.REEL	: Take-up Reel Sensor
N.C	: No Change	T.RESET	: Timer Reset
NORM	: Normal	TP	: Test Point
1101111		TRK	: Tracking
OSC	: Oscillator		
	: One Touch Recording	U/D	: Up/Down
OTR	: One Touch Recording	UL	: Unloading
	n ren	UPS	: Unloading Play Still
P.LED	: Power LED	013	. Officating I lay 5tm
PB	: Play Back	VOI	Author Cl. 1
P.CONT	: Power Control	VCL	: VPS Clock
PG	: Pulse Generator	V-REF	: Voltage Reference
PIF	: Picture Intermediate Frequency	V-SYNC	: Vertical Sync
PL	: Preloading	VCO	: Voltage Control Oscillator
PLL	: Phase Lock Loop	VCR	: Video Cassette Recorder
PLS	: Pulse	VIF	: Video Intermediate Frequency
PRG	: Program	VSS	: Vertical Sync Separator
	: Phase Shift	VHS	: Video Home System
PS	: Pulse Width Modulation	V.DA	: VPS Data
PWM		VXO	: Voltage Controlled Crystal Oscillator
PWR.	: Power	VIDJ	
P/R	: Playback/Record	AIDI	: Video Judge
P/S	: Pause/Still	*****	
		W/C	: White/Clip
QVP	: Quasi Vertical Sync	W/D	: White/Dark
	•	W.T	: Wake up Time
REC	: Record		
REC.SAF	: Record Safety	XPR	: Express Recording
REW	: Rewind		,
		uP	: Microprocessor
RF	: Radio Frequency	W.	. Microprocessor
RC	: Remote Control		
S/H	: Sample and Hold		
SC	: Sub Converter		
SIF	: Sound Intermediate Frequency		
SEP	: Separator		
SP	: Standard Play		
SRCH	: Search		
	: Servo		
SRV			•
SW25Hz	: Head Switching Pulse		
SYNC	: Synchronizing Signal		,
SYSCON	: System Control		

1-5. CLEANING AND LUBRICATION

1-5-1. CLEANING TAPE MECHANISM

Periodic cleaning is necessary to insure continued excellent performance of the tape mechanism. To clean the following parts use "Kim Wipes" and solvent.

- 1. Capstan shaft.
- 2. All idler wheels.
- 3. All tape guide posts.
- 4. Supply and take-up reels.
- 5. Impedance roller.
- 6. Pinch roller.
- 7. Idler belt.
- 8. Loading belt.
- 9. Loading motor pulley.
- 10. Loading pulley.

To clean video heads, full erase head, and audio/control(A/C) head use only head cleaning kit and solvent.

Note:

When cleaning video heads move the cleaning stick in the direction of head rotation. Wiping in a vertical motion may damage the heads.

1-5-2. LUBRICATION TAPE MECHANISM

The tape transport mechanism is properly lubricated at the factory. In normal use cycles, and with average environmental conditions, additional lubrication should not be required during the first year of operation.

Depending on use and environmental conditions, periodic lubrication may be required. When relubricating, remove old lubricant first, then sparingly apply new lubricant. (Excessive lubricant may be transferred to other assemblies causing multifunction).

Use grease on the following parts after 1,000 hours operation. (See exploded view for location.)

- 1. Between base pole (L) assembly and mecha chassis assembly.
- 2. Between level review cam and mecha chassis assemb-
- 3. Between base pole (R) assembly and mecha chassis assembly.
- 4. Between plate main side and mecha chassis assembly.
- 5. Between I.B slide assembly and plate main slide.
- 6. Between gear loading (L) and gear loading (R).
- 7. Between main gear, eject gear and worm.

Oil may be required for the following parts every, 1,000 hours operation. (See exploded view for location.)

- 1. Supply reel and take-up reel shafts.
- 2. Links of both loading arms.
- 3. Between shaft of tension arm and chassis.
- 4. Pressure roller arm.
- 5. Shart of load pulley.

Other parts which are not listed abovedo not require lubrication, except if a part is replaced. Useappropriate oil or grease as indicated on exploded view.

2. DISASSEMBLY

2-1. INSTRUMENT DISASSEMBLY

2-1-1.Top Cabinet Removal (Fig.1)

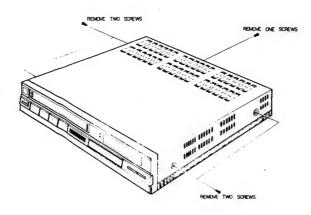


Fig.1

- 1.Remove five (5) screws located at the sides of the top
- 2. Carefully lift the back of the top cabinet and slide it to the rear to remove.

2-1-2. Bottom Cover Removal (Fig.2)

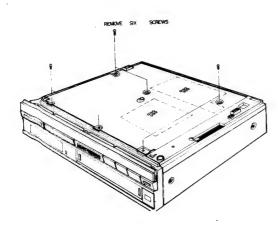
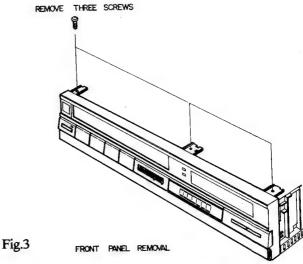


Fig.2

1.Remove six(6) screws holding the bottom cover.

2-1-3. Front Panel Removal(Fig.3)

- 1.Rem_{.0}ve the top cabinet and the bottom cover. (See Figs1,2)
- 2.Remove three(3) screws from the top of the front panel.
- 3. Tilt the front panel forward to remove.



2-1-4. Function Switch & Timer Input Key Circuit Board Removal(Fig.4)

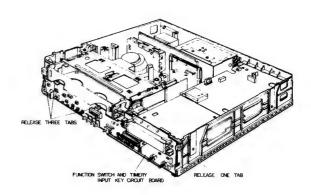


Fig.4

- 1. Follow the procedure for removing the panels. (See Figs. 1 to 3)
- 2. Remove three screws holding the function and timer input key circuit board.
- 3. Release four (4) taps on the circuit board.

2-1-5. Main- C (Hi-Fi) Circuit Board Removal (Fig.5)

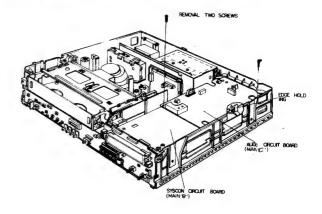


Fig.5

- 1.Follow the procedure for removing the panels. (See Figs.1 to 3)
- 2.Disconnect four connectors on the Main-C P.C.board.
- 3.Remove two screws on the Main -C P.C board.

2-1-6. Main -B Circuit Board Removal(Fig.6)

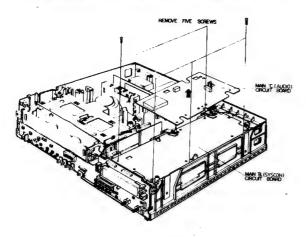


Fig.6

- 1.Follow the procedure for removing the panels. (See Figs.1 to 3)
- 2. Follow the procedure for removing the Main-C P.C. board.
- 3.Remove five screws on the Main-B P.C board.
- 4. Pullouthe board in the direction of the arrow.

2-1-7.Main-A (Y/C) Circuit Board Removal(Fig.7)

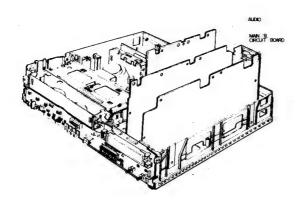


Fig.7

- 1. Follow the procedure for removing the panels. (See Fig. 1 to 3)
- 2. Follow the procedure for removing the Main-C & Main-B P.C. board (See Figs 5.6)
- 3. Remove two screws on the Main-A P.C. board.
- 4. Disconnect connectors between the Main-A circuit board and the other circuit boards.
- 5. Lift up the assembly in the direction of the arrow.

2-1-8. Regulator Circuit Board Removal(Fig.8)

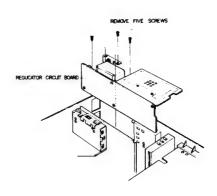


Fig.8

- 1. Follow the procedure for removing the panels.
- 2. Remove five screws from the frame.
- 3.Disconnect nine connectors on the Regulator circuit
- 4.Remove the IC from the Lower Drum.
- 5. Taking care of the cable assemblies, lift the regulator circuit board upward to release.

2-1-9. Tuner Circuit Board Removal(Fig.9)

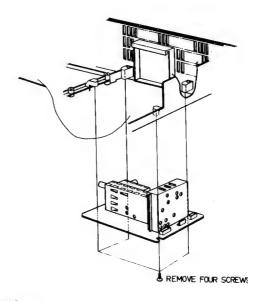
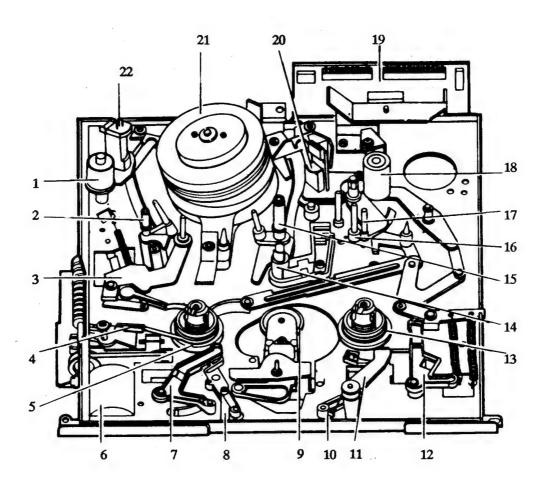


Fig.9

- 1. Remove the top cabinet and Regulator circuit board. (See Figs 1,8)
- 2.Disconnect three connectors on the Tune circuit board.
- 3.Remove four screws on the Tuner board.

2-2.MECHANICAL DISASSEMBLY

Tape transport Mechanism Identification. (TOP VIEW)



- 1: ROLLER SUPPLY
- 2: GUIDE ROLLER (L)
- 3: ARM TENSION ASS'Y
- 4: TENSION BAND ASS'Y
- 5: REEL DISK (S)
- 6: LOADING MOTOR ASS'Y
- 7: BRAKE SUB (L)
- 8: BRAKE MAIN (L)
- 9: IDLER CLUTCH ASS'Y
- 10: BRAKE MAIN (R)

- 11: WEAK BRAKE (T) ASS'Y
- 12: BRAKE SUB (R)
- 13: REEL DISK (T)
- 14: HOLDER LED
- 15: GUIDE ROLLER (R)
- 16: CAPSTAN D.D MOTOR SHAFT
- 17: REVIEW ARM
- 18: PINCH ROLLER ASS'Y
- 19: DECK JOINT ASS'Y
- 20: ASS'Y A/C HEAD
- 21: DRUM ASSEMBLY
- 22: ASS'Y F/E HEAD

(BOTTOM VIEW)

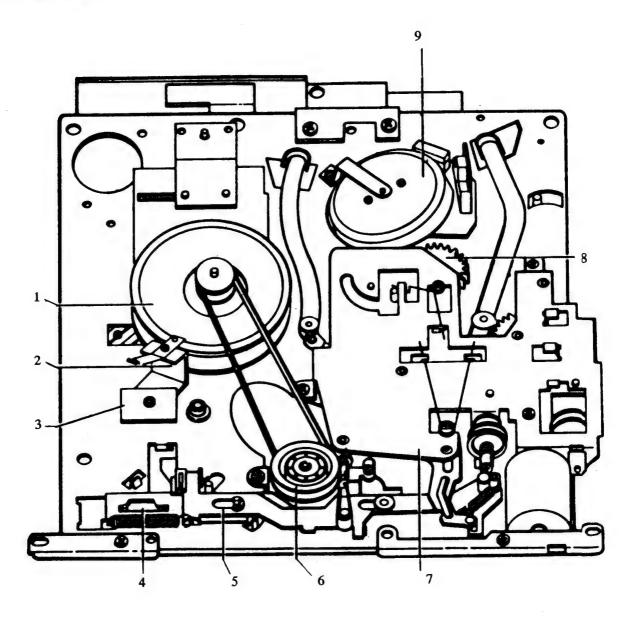


Fig 10

- 1: CAPSTAN D.D MOTOR
- 2: BRAKT PHOTOIN
- 3: REEL PCB
- 4: PLATE MAIN SLIDE
- 5: I,B SLIDE ASSEMBLY

- 6: ILDER BELT
- 7: LOADING MOTOR ASSEMBLY
- 8: ASSEMBLY GEAR LOADING (L)
- 9: MOTOR DRUM

2-2-1. Housing Assembly Removal

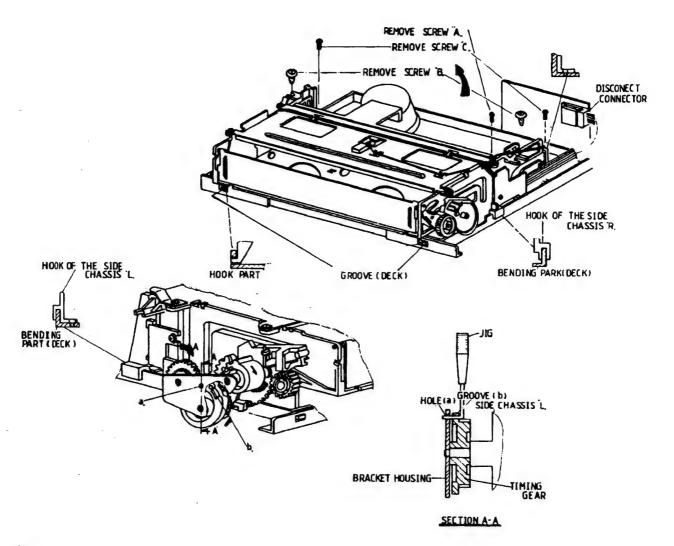


Fig.12

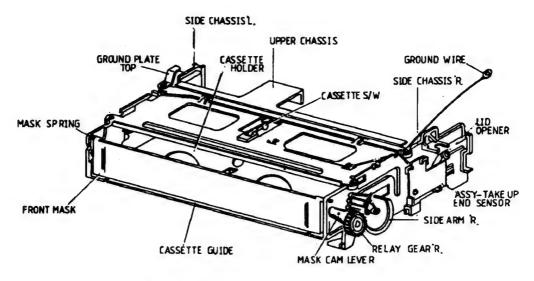
- 1. Follow the procedure for removing the panels. (See Figs1 to 3)
- 2. Disconnect the connector(CN0204) from P C B Deck Joint board.
- 3. Remove the two screws A.
- 4. Remove the three screws B and C to relese ground.
- 5. Lift the rear of the housing assembly toward arrow mark.

Note:

- *When reinstalling housing assembly to the deck, first insert the hook part of the housing ass'y into the groove of the deck. Se cond fit the hook of the side chassis(R)(L) to the bent part of the deck.
- * Before reinstalling screws, check assembling point of the timing gear and arm gear, rotating the worm gear to the direction of arrow A.

- A) Assembling point is the point that the hole of the gear holder plate corresponds to the groove of the timing gear as in Fig 12/A-A'.
- B) If the assembly point is not correct .Ass'y will not operate smoothing or jam.

2-2-2. Housing Assembly Identification



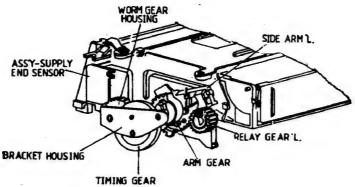


Fig.13

2-2-3. Housing Assembly Disassemmbly

1. Front mask removal.

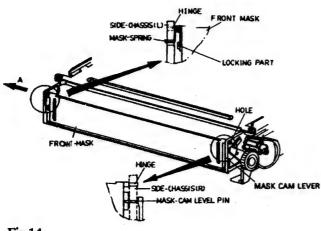


Fig.14

- * Pull front mask in the direction of arrow A, release front mask hinge part from the hole in the side -chassis (R) and release hinge part in the hole in the side-chassis(L) release in the reverse direction.
 - Rec S/W Cassette S/W PCB Start Sensor Removal. Release REC S/W attached to the cassetteguide.

Note:

- * One end of the mask spring must be reinstalled in the lock part of the front mak and the other end must be reinstalled in the hook part of the side chassis(L).
- * Upon reinstallation of the front mask slide, ever pin of the mask cam in the side-chassis(R) must be re installed. (Ref.Fig14).

* Cassette Switch Removal.

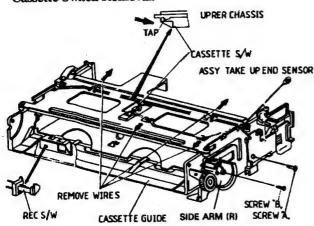


Fig.15

- 1). Release the tap of the cassette S/W and remove. (Fig 15)
- 2). Remove the screw of the start sensor PCB removal. (Fig.15)
- 3), Remove the wires. (Fig.15)
- 4). After removing the lid opener spring, remove the lid opener pulling the locking part in the direction of the arrow. (Fig.17)
- 3. Supply End Sensor Ass'y Removal.
- * After removing the screw at the side chassis(L), remove PCB end sensor.

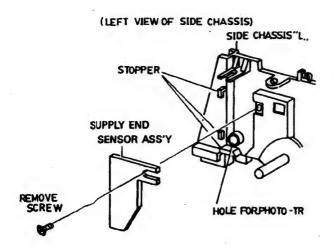


Fig.16

Note:

Be careful not to demage the TR and Photo TR attached to the supply End sensor Ass'y.

4. Lid Opener Removal

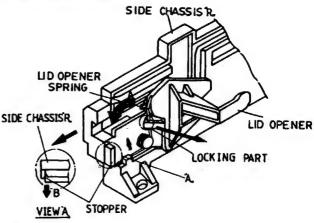


Fig.17

- * Remove the lid opener spring from the locking part of the lid opener.
- * Pull the lid opener in the direction A. and release the locking part pulling it in the direction B (Refer to view A)
 - 5. Timing Gear, Side Arm (L) Assy&Worm Gear Housing Removal

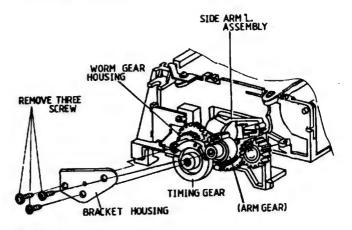


fig.18

- 1). Remove the three screws from the housing bracket. (Fig.18) (Remove the ground wire)
- 2). Remove the timing gear and the side arm(L) assembly and the worm gear housing.

Note:

Upon reinstallation, check to see if the shaft (R) and (L) of the cassette holder is inserted at the home position of side arm(R) and (L).

6. Side Arm (R) and (L) Reinstallation

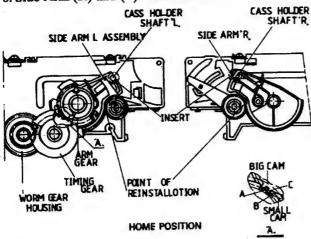


Fig.19

7. Upper Chassis Removal.

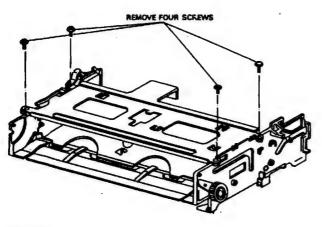


Fig.20

After removing four screws, pull the upper chassis upward to remove. (Fig. 20)

- 1). Release the eject spring.
- 2). Remove the arm gear.
- 3). Release the tension spring L.
- 8. Side Arm(L) Assembly Removal.

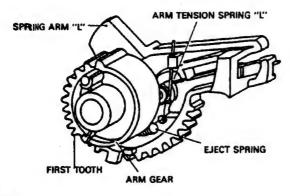


Fig.21

2-2-4.. HOW TO ASSEMBLE CASSETTE HOUSING

2-2-4-1. Without Jig for Assembling

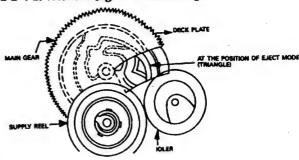


Fig.22

- 1. Before assembling the cassette housing, eject loading gear completely.
- 2.. Make certain the main gear of the loading motor is at the eject position as Fig.22.
- 3. As shown Fig .23, rotate the worm gear housing of cassette housing in the direction of the arrow, until the rotation comes to stop.
- * Check the movement of the front loading mechanism, it should move freely from the eject to the cassette load position. If not the worm gear housing is in the wrong position.

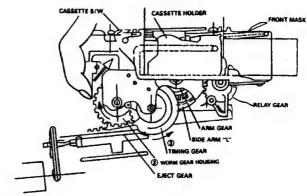


Fig 23

If the cassette tape does not come out in the eject mode, assembling of gears(2) and (3) is not correct, reassemble the cassette housing.

2-2-4-2. With Jig for Assembling

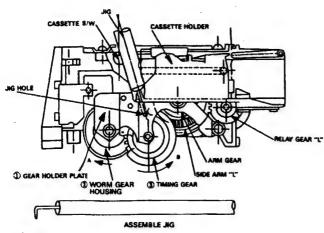


Fig.24

As shown in Fig.24, rotate the timing gear (3) and worm gear housing (2) to the direction of A and B, Aligned the hole of gear holder plate (1) and timing gear (3) and then insert the assembly jig in the hole to set-up the deck.

2-2-5. Mechanical Chassis Assembly Removal.

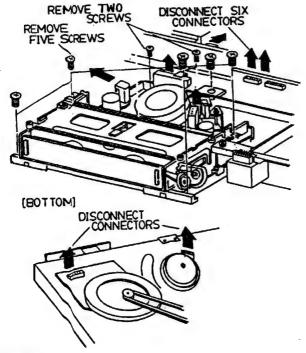


Fig.25

- 1. Remove the Panels. (See Fig. 1 to 3)
- 2. Disconnect the six connectors. (four on top, two on bottom)
- 3. Remove the two screws and pull the video head pre-amp ass'y assembly upward to remove.
- 4. Remove aground straps from bottom.
- 5. Remove the five screws and pull the mechanism chassis assembly upward to remove

2-2-6. Video Head (Upper Drum) Removal and Drum Motor Assembly Removal.

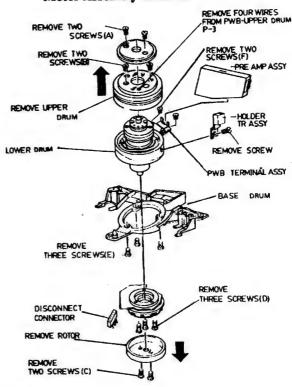


Fig.26 Note:

Take extreme care when removing the upper drum. Do not touch the video head tips (located in the upper drum) during servicing.

- * Follow the procedure for removing
- 1. Remove the top cabinet. (See Fig. 1)
- 2. Remove the bottom cover. (See Fig. 2)
- 3. Remove two (A) screws holding the upper drum cover.
- 4. Remove four wires soldered to PWB-Upper Drum P-3.

 Note: Upon reinstallation, connect four wires to wires of the same color which are soldered PWB-upper drum P-3.
- 5. Remove two(B) screws on the upper drum.
- 6. Lift up the upper drum in the direction of the arrow.
- 7. Remove video head pre-Amp ass'y two screws.
- 8. Remove two(C) screws holding the fly wheel.
 Note:Before removing flywheel mark position.
- 9. Disconnect connector (CN004) from the drum motor.
- 10. Remove three screws(D) holding the drum motor.
- * When it is necessary to remove lower drum, remove three screws (E) and lift up the lower drum assembly in the direction of the arrow.

Note:

Upon reinstallation, alternately tighten the two screws holding upper drum and perform the following adjustments.

- * Tracking preset adjustment.
- * A/C head horizontal position adjustment (X-Point Adj).

2-2-7. Full Erase(F/E) Head & Supply Roller Removal

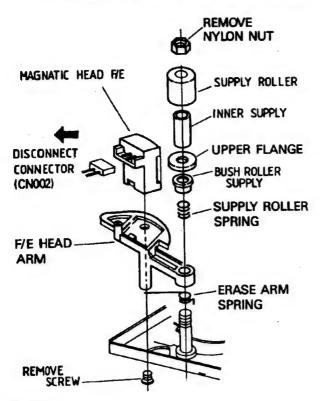


Fig.27

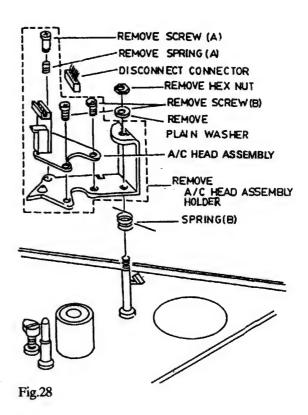
- 1. Remove the top cabinet. (See Fig.1)
- 2. Disconnect the connector (CN002) from the F/E head.
- 3. Remove the nut at the top of the supply roller and remove the supply roller, inner supply, upper flange, supply roller bush.
- 4. Remove the supply roller spring.
- 5. Pull the F/E head arm upward to remove.
- 6. Remove the screw holding the F/E head.
- 7. Pull the erase head arm spring from the hole upward and remove.
- 8. After replacing or reinstalling the F/E head, clean each tape contact surface of the F/E head and supply roller.

Note:

Upon reinstallation, turn the nylon nut firmly (fix type).

2-2-8, Audio / Control (A/C) Head Removal

- 1. Remove the top cabinet. (See Fig. 1)
- 2. Disconnect the connector (CN005) from the A/C head.
- 3. Remove the hex nut holding the A/C head holder and remove the plain washer.
- 4. Pull the A/C head assembly upward to remove.
- 5. Remove screw (A) and spring (A).
- 6. Remove screw (B) and remove A/C head assembly.
- 7. After replacing or reinstalling the A/C head assembly holbor, clean the tape contact surface of the head.



Note:

Upon reinstallation, hook the spring between A/C head base and mechanism chassis.

After installing the A/C head asslembly holder, perform the following adjustments.

- 1) A/C Head Height, Tilt and Azimuth Adjustments.
- 2) A/C Head Horizontal Position Adjustment (X-Point).
- 3) Audio Playback Gain Adjustment.
- 4) Audio Bias Level Adjustment.
- * Audio head height must be performed before A/C head horizontal position adjustment is performed.
- * If audio head height is adjust, the A/C head horizontal position must be readjusted.
- * After completion of the A/C head position adjustment, the A/C head base must be positioned at apporximately the center of the X-Point nut adjust.

2-2-9. Loading Motor Assembly Removal

- 1. Remove the top cabinet. (See Fig. 1)
- 2. Remove the bottom cover. (See Fig. 2)
- 3 Remove the mechanism chassis assembly. (See Fig. 25)
- 4. Remove the housing assembly. (See Fig. 12)
- 5. Remove the slit washer.
- 6. Remove the two connectors.
- 7. Release the spring (Loading pin side frs t).
- 8. Remove the three screws and pull the bading motor assembly upward in the direction of the arrow (A).

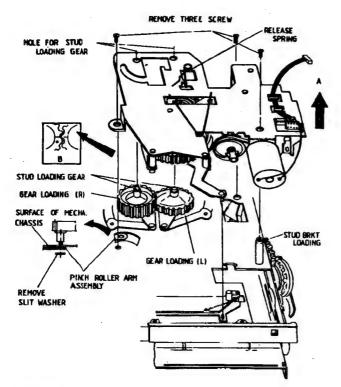


Fig.29

Note

Upon reinstallation, be sure the marks on the gear loading (L), (R) are positioned in line (See B).

2-2-10. Tension Arm Assembly, Tension Band Assembly Removal

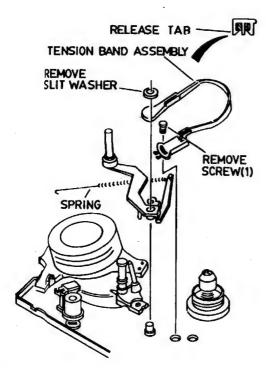


Fig.30

- 1. Remove the screw holding the tension band assembly.
- 2. Remove the spring hooked on the chassis.
- 3. Remove the slit washers and pull the arm tension assembly upward.
- 4. Release the tab holding the tension band assembly.

Note

Confirm back tension after reinstalling.

2-2-11. Brake Sub (R) Assembly and Brake Sub (L) Assembly Removal

- 1. Follow the procedures for removing the panels. (See Figs. 1 to 3)
- 2. Remove the housing assembly. (See Fig. 12)
- 3. Remove the two slit washers and release the sub brake (R) spring.
- 4. Release the tabs holding the brake Sub (R) assembly and brake sub (L) assembly.

Note

Take care when removing spring.

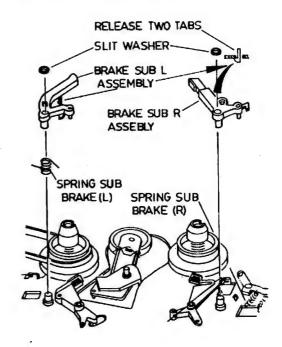


Fig.31

2-2-12. Brake Main (L) Assembly and Brake Main (R) Assembly Removal

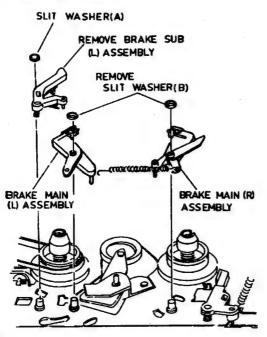


Fig.32

- 1. Follow the procedures for removing the panels. (See Figs. 1 to 3)
- 2. Remove the housing assembly. (See Fig. 12)
- 3. Remove the brake sub (L) assembly. (See Fig. 28)
- 4. Remove the two slit washers.
- 5. Release the spring hooks on the brake main assemblies.

2-2-13. D.D Capstan Motor Removal

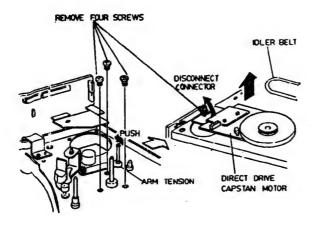


Fig.33

- 1. Remove the top cabinet. (See Fig. 1)
- 2. Remove the bottom cover. (See Fig. 2)
- 3. Release the idler belt and disconnect connector from D.D capstan motor.
- 4. Remove four screws.
- 5. Push the review arm assembly, remove four screws.

2-2-14. Assembly Gear Loading (L)(R) Removal

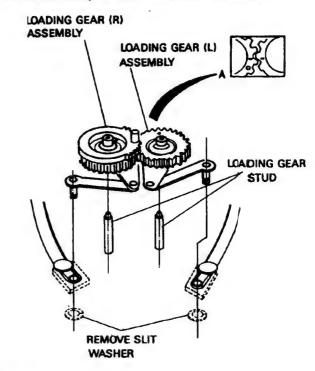


Fig.34

- 1. Follow the procedures for removing the panels. (See Figs. 1 to 3)
- 2. Remove mechanism chassis assembly. (See Fig. 22)
- 3. Remove the housing assembly. (See Fig.12)
- 4. Remove the loading motor assembly. (See Fig. 29)
- Remove the slit washer holding on the loading arm assembly.

Note

Place gears in the unloaded position upon reinstallation, be sure the marks on the gear loading (L)(R) are positioned in line. (See. A)

2-2-15. Guide Roller Assembly Removal

- 1. Remove the top and the bottom cover. (See Figs. 1,2)
- 2. Loosen each set screw at the pole base as embly.
- 3. Turn the guide roller assemblies counter ockwise.
- 4. After replacing or reinstalling the guide oller assemblies, clean each tape contact surface of the guide roller assemblies.

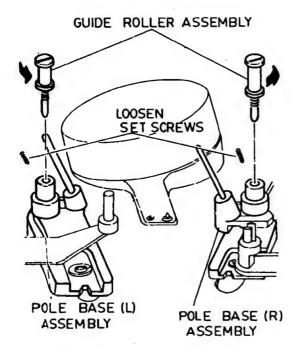


Fig.35
Note
Upon reinstallation, perform the guide roller assemblies adjustment.

2-2-16. Reel Disk (S) Assembly Removal

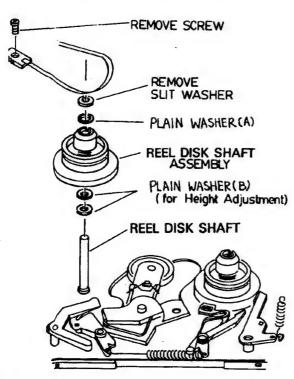


Fig.36

1. Remove the top and bottom cover. (See Figs. 1,2)

- 2. Remove the housing assembly. (See Fig. 12)
- 3. Remove the screw holding the tension band assembly.
- 4. Revmoe the slit washer from the reel disk shaft.
- 5. Remove the plain washer (A).

Note

Do not remove the plain washer (B) under the reel disk (S) assembly.

2-2-17. Reel Disk (T) Assembly Removal.

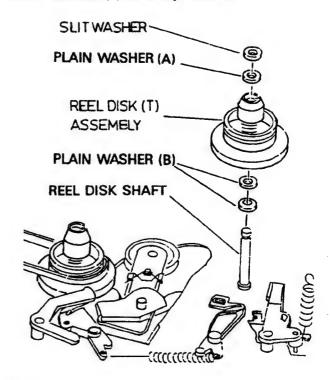


Fig.37

- 1. Remove the top and bottom cover. (See Figs. 1,2)
- 2. Remove the housing assembly. (See Fig. 12)
- 3. Remove the slit washer from the reel disk shaft.
- 4. Remove the plain washer (A) and pull the reel disk (T) assembly upward.

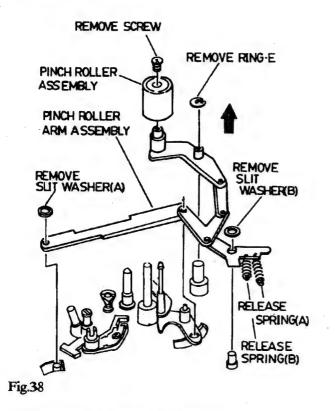
Note:

Do not remove the washer plain(B) under the reel disk (T) assembly.

2-2-18. Pinch Roller Assembly and Pinch Roller Arm Assembly Removal.

- 1. Follow the procedures for removing the panels. (See Fig. 1 to 2)
- 2. Remove the housing assembly. (See Fig.12)
- 3. Remove the screw holding the pinch roller assembly.
- 4. Remove the ring-E.
- 5. Remove the slit washer(A) and slit washer(B).
- 6. Release the spring (A) and the spring(B).

7. Pull the pinch roller arm assembly upward (arrow mark direction) to remove.



2-2-19. Assembly Holder LED Removal.

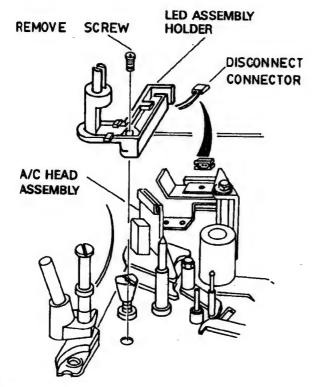


Fig.39

- 1. Follow the procedures for removing the panels. (See Fig.1)
- 2. Remove the housing assembly. (See Fig.12)
- 3. Disconnect the connector.
- Remove screw and the LED assembly holder upward to remove.

2-2-20. Review Arm Assembly Removal.

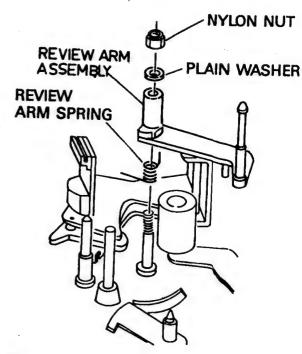


Fig.40

- 1. Remove the top cabinet. (See Fig. 1)
- 2. Remove nylon nut and plain washer.
- 3. Release review arm spring.
- 4. Pull the review arm assembly upward to remove.

Note:

After replacing or reinstalling the review arm assembly clean the tape contact surface of the review arm assembly and perform the review arm assembly adjustment.

2-2-21. Drum assembly Removal.

- 1. Follow the procedures for removing the panels. (See Figs. 1 to 2)
- 2. Remove the video head pre Amp assembly. (Fig. 46)
- 3. Disconnect the two connectors (CN004, CN101).
- 4. Remove the three screws.

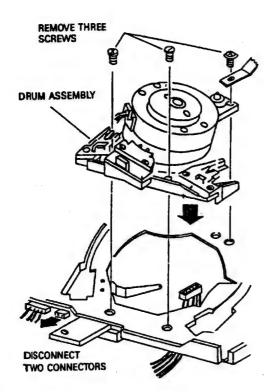


Fig.41
2-2-22. Assembly Photo Interrupter Removal.

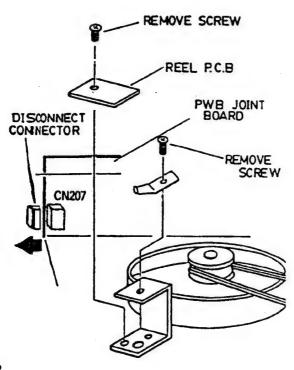


Fig.42

- 1. Remove the top and bottom cover. (See Figs. 1, 2)
- 2. Disconnect the connector (CN207).
- 3. Remove the screw.

2-2-23. I. B Slide Assembly and Plate Main Slide Removal.

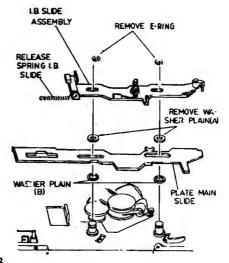


Fig.43

- 1. Follow the procedures for removing the panels. (See Figs. 1 to 3)
- 2. Remove the mechanism chassis assembly. (See Fig.25)
- 3. Remove the loading motor assembly. (See Fig.29)
- 4. Remove two ring-E washers and release spring I.B slide upward to remove.

Note:

Do not remove the plain washer (B) under the plate main slide.

* I . B :Idler Break

2-2-24. Idler Clutch Assembly Removal.

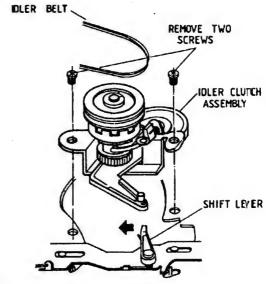


Fig.44

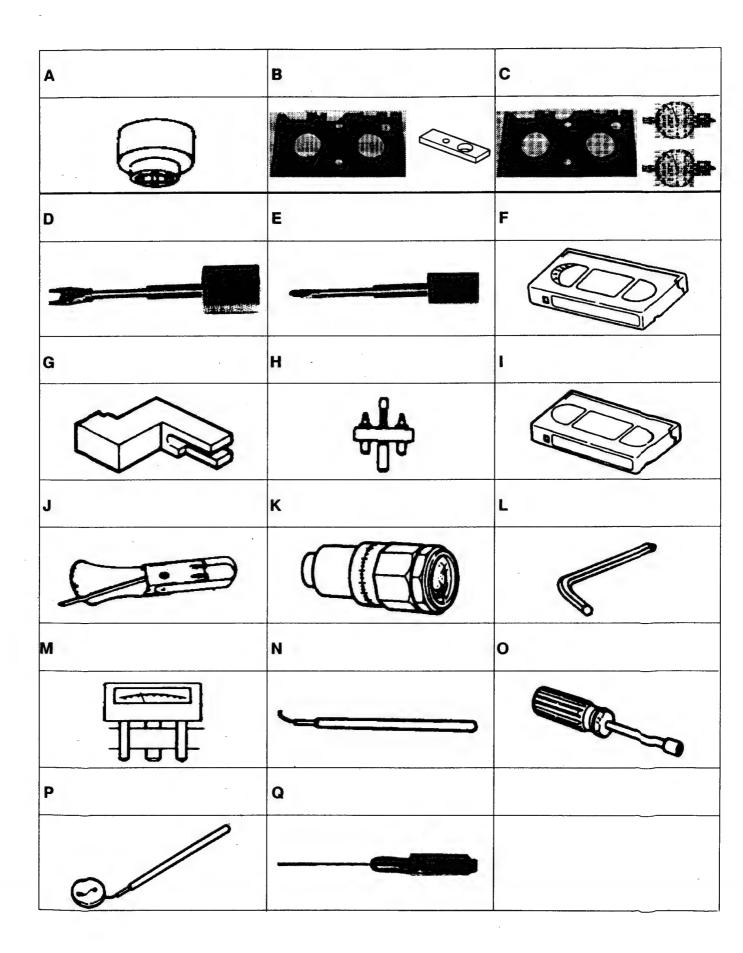
- 1. Remove the bottom cover. (See Fig.2)
- 2. Release the idler belt and remove the two screws.
- 3. Pull the idler clutch assembly upward to remove, at the same time push the shift lever about 5-10 mm.

3.MECHANICAL ADJUSTMENTS 3-1. MECHANICAL ADJUSTMENT TOOLS

JIG ITEM	CODE NO	SPECIFICATION	DESCRIPTION	SKETCH NO
TORQUE HEAD GAUGE	SSJ-1001B	LONG	This gauge is used to check and adjust the torque of Take up/Supply Reel.	A
MASTER PLANE & REEL DISK HEIGHT JIG	SSJ-1002A	G-5/6 CHASSIS	This jig is used to check the height difference between Reel Disk and Deck Plate.	В
	SSJ-1002B	G-7/8 CHASSIS		С
ADJUSTING DRIVER A	SSJ-1003A	COMMON	This jig is used when replacing the Cam adjust and Guide Roller.	D
В	SSJ-1003B	COMMON	This jig is used when replacing the A/C Head, Supply Roller, Tape Guide and Arm Tension.	E
BACK TENSION CASSETTE GAUGE	SS-1004	COMMON	This gauge is used for Supply Reel torque alignment.	F (*)
GUIDE POLE HEIGHT ADJUSTING JIG	SSJ-1005A	G-5/6 CHASSIS	Used to adjust tape height to the Video Head.	G
-	SSJ-1005B	G-7/8 CHASSIS		
DRUM REPLACEMENT JIG	SSJ-1007	COMMON	This jig is used when replacing the VCR's Upper Drum.	Н
ALIGNMENT TAPE SR1-2 SR2-2 SVJ-2 HR1-2	SSJ-1014D SSJ-1014F	PAL(LION.6K) PAL(COLOR.1K) PAL(TESTING) PAL(Hi-Fi)	These tapes are used for fine electrical adjustment and tape runing system (Mecha) alignment.	I
TENSION GAUGE	SSJ-1008	300 g	This gause is used for tension measurements.	J (*)
TORQUE GAUGE	SSJ-1009	600 g	This jig is used to check and adjust the torque of Take up/Supply Reel.	K (*)

JIG ITEM	CODE NO	SPECIFICATION	DESCRIPTION	SKE	TCH NO
HEX WRENCH	SSJ-1010B	0.7 mm 1.2 mm 1.5 mm	These wrenches are used for locking or tightening special Hexagon type screws.	L	(*)
TAPE TENSION GAUGE (TENTELO METER)	SSJ-1011	COMMON	This tape tension gauge is used for measuring the back tension of the runing tape.	М	(*)
CASSETTE HOUSING ASSEMBLE JIG	SSJ-1012	COMMON	This jig used for cassette housing assembly.	N	
BOXER DRIVER	SSJ-1015	COMMON	This tool is used for replacing the A/C Head.	0	(*)
DENTAL MIRROR	SSJ-1016	COMMON	This tool is used for tape transport system check.	P	(*)
ADJUSTING DRIVER	SSJ-1017	COMMON	This tool is used for electrical adjustment.	Q	(*)
	-				
	-				
	-				

^{(*):} These Jigs are not supplied from SAMSUNG.



3-2. Reel Disk Heights

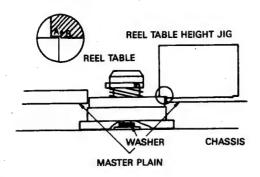


Fig.1

The height of the supply and take-up turntables should be the same, +0.2/-0.2mm. Turntable heights are adjusted by changing plain washer stack under each turntable. Check turntable heights by installing the Master Plain. Set the reel disk height jig in place and check the height of the supply and take up turntables. (See Fig. 1) The size of washer is 0.5mm (3.2 mm ID). This washer should be used to achieve equal reference heights for both truntables.

Note:

For proper height point "A" should slide over the reel disk and point "B" should not. (Fig. 1)

3-3. Back Tension Adjustment (Fig. 2)

BACK TENSION METER

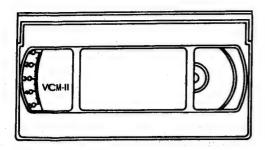


Fig.2

When the back tension is properly adjusted, the service test tape recorded will play back with minimum skew errorpicture displacement in line following head switching. The tension is set as follows

1.Load the VCR with the back tension adjustment tape.

2.Place the VCR in the "play" mode.

3. Read the scale on the reel disk(S).

4. This reading should be between 39.5 and 44.5

5. After loosening the screw, move the Fig 3 tension spring in direction "B", If the tension adjustment tape reads 45 or higher, in direction "A" when it is 39 or lower, and adjust the back tension for a nominal reading of 42 on the scale.

6. Recheck the arm tension position when the back tension is changed (6 or more).

Note:

The VCR must be in a horizontal position for this adjustment.

3-4. Arm Tension Position Adjustment (Fig. 3)

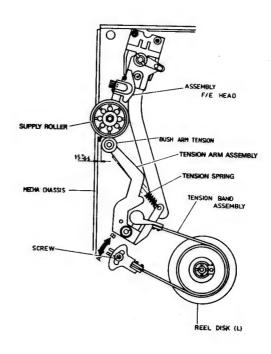


Fig.3

- 1. After removing the housing assembly, mommentarily short the tenth pin of the deck joint. P.C. Board's connector CN 205 to ground.
- 2.Place the instrument in the "play" mode.
- 3. After loading is complete, loosen the screw holding the tension holder. A and adjust so that the clearance between lower edge of tension pole ass'y and chassis is 1.5mm ± 0.5mm.
- 4. Tighten screw to secure adjustment.

3-5. Brake Torque Confirmation

- 1. Remove top cover and place VCR in the "stop" mode.
- 2.Clean the brake surfaces on turntables using "cloth" and solvent, before measuring torque.
- 3. Attach the torque gauge head to the torque gauge.
- 4. Place torque gauge on the reel disk (S) turnable.
- 5. Turn torque gauge in a clockwise direction until the brake begins slipping. Maintain "slipping" rotation and read torque.(torque reading should be more than 200 grams/cm)
- 6. Repeat for the take up side turning the torque gauge counterclockwire.

(reading should be more than 200 grans/cm)

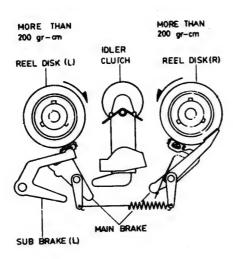


Fig.4

Note:

Brake torque problems can cause tape stretch, broken tape or loose tape in cassette.

These symptoms can usually be corrected by properly cleaning. If not replace brakes.

3-6. Play, Fast Forward, Rewind Torque Confirmation

- 1. Place the cassette holder in the loading state without inserting a cassette tape.
- 2. Attach the torque gauge head to the torque gauge.
- 3. Place torque gauge on the reel disk (T), operate VCR in the "SP record" mode.

(Torque should measure 150 + 30 grams/cm)

4. Press Fast Forward button.

(Torque reading should be 600 grams/cm minimum)

5. Place torque gauge on the reel disk(S) and operate instrument in the "rewind" mode.

(Torque reading should 600 grams/cm minimum)

3-7. Rough Tape Travel Check

Using a blank tape, place the VCR in "play" mode and note the following.

- 1. The tape should be in full contact with all tape guide posts.
- 2. The tape should be crease-free with no slack.

3. The supply roller should be moving freely.

- 4. The tape should be perpendicular to the longitudinal axis of the heads when crossing the erase head and the A/C head.
- 5. The tape should be centered top to bottom on the head when crossing the full erase head.
- 6. The tape should follow the lower-edge guide surface on the lower drum.

3-8. Creasing or Slack Tape.

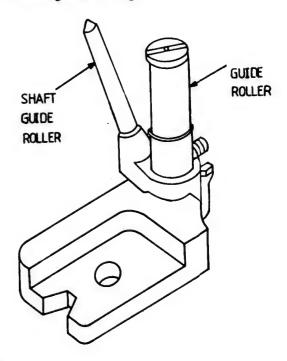


Fig.5

Load the VCR with a blank tape and place in "play" mode.

With the tape running, inspect the tapepath for creasing or frilling along top or bottom edges of tape. If the tape is creasing or frilling, check the tape as it goes "on" and comes "off" the lower drum.

The tape should follow the lower edgeguide surface on the drum. If the tape is high on the guide surface, rough adjust guide rollers to correct this condition. (use guide roller adjusting driver)

It will now be necessary to perform guide rollers adjustments and confirm interchangeability.

3-9. Mechanical Interchangeability Consideration

The tape-guide adjustments position the tape so that the prerecorded tracks on the test tape ailin perfectly with the scan of the video head assembly. The mechanical interchangeability adjustment procedures will insure that a tape recorded on the VHS recorder will playback properly on another machine.

Usually little or no mechanical adjustment is required after routine (head replacement) servicing. Before making any adjustments, perform the following interchangeability confirmation procedure to deer mine if adjustment is required. IF the video heads are replaced, it will also be necessary to confirm the PG shifter adjustment.

If major mechanical servicing was performed (tape guide replacement, etc.) perform "Rouge Tale Travel Adjustment" befor using test tape.

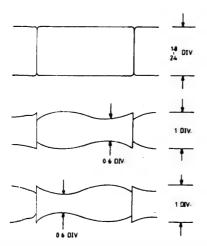
3-10. Interchangeability Confirmation

This confirmation check should be performed after any servicing operation that could adversely affect the tape path; i.e.Lower drum motor replacement, tape guide replacement, audio/control head replacement, etc. If unit passes this confirmation check, no tape guide adjustrment is required.

Preliminary:

The adjustment should be preformed after the tracking preset adjustment is completed.

- 1.Connect a channel-1 scope probe (2V/div.;5ms/div.) to TP603 (Main-B P.C.B; H'd SW 25HZ).
- 2.Connect a channel-2 scope probe (10mV/div.) to TP(W35) (Main-A P.C.B; PB FM Level).
- 3. Play monoscope signal on test tape.
 (Alignment Tape SR1-1. See Jig List)
- 4. Adjust tracking control (VR102) for maximum FM envelope amplitude (TP-W35 signal) at center of envelope.
- 5. Adjust scope vertical gain control so that maximum enveope amplitude is 1.8 2.4 graticule divisions.
- 6. Turn tracking contorl (VR102) to the left so that maximum envelope amplitude can be graticule divisions.
- 7. Confirm that the minimum envelope amplitude is 0.6 graticule divisions or more. (Fig. 6)
- 8. Turn tracking control (VR102) to the right so that maximum envelope amplitude is 1 graticule division.
- 9. Confirm that the minimum envelope amplitude is 0.6 graticule division or more. (Fig 6)
- 10. If roading are correction, no guide roller adjustments, are necessary.
- 11. Set tracking control to detent (fixed) position. Adjust Control Track/Audio Head assembly position (X-value) to obtain maximum FM envelope (TP-W35 signal) at the detent position.



Note:

If the lower drum motor assembly has been replaced, perform the following electrical adjustments.

- * PG Shifter adjustment.
- * Record Chroma and Luminance Level adjustment.

3-11. Audio/Control Head (Height/Tilt/Azmuth)

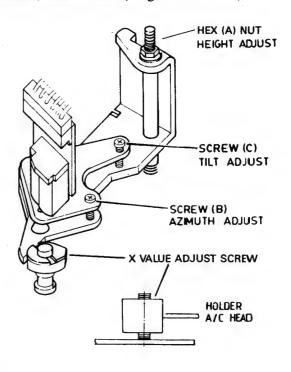


Fig.7

- 1.Connect a scope probe (0.5V/div.; 1ms/div.) to pin 1 of CN802 (Use audio out jack) located on the Main-C circuit board.
- 2.Playback a 1-KHz (color bars) audio signal on test tape.(Alignment Tape SR2-2.SeeJig list)
- Alternately adjust height screw(A) and tilt adjust screw(C) for maximum output.
- 4.Playback a 6-KHz audio signal on test tape(SR1-2).
- 5.Adjust azimuth screw (B) for maximum output.
- 6.Repeat steps 3 and 5 for maximum 6-KHz and 1-KHz output.
- 7.Lock the HEX NUT (A) with paint.

3-12. Guide Rollers Adjustment

- 1.Connect channel-1 scope probe (2V/div.; 5ms/div.) to TP603. Trigger the scope on channel-1.
- 2.Connect channel-2. scope probe (10mV/div.) to TP-W35 (Main-A P.C.B; PB FM Level).
- 3.Set tracking control to detent (fixed) position and playback test tape monoscope signal. (Alignment tape SR1-2 Ref. Jig List). Slightly loosen set screw on pole base guide rollers.
- 4.Adjust guide roller down using guide roller adjusting driver (CW) untill bottom edge of tape slightly bows at the bottom of tape guide.

5. Monitor the head FM envelope at TP-W35.

6.Turn (CCW) guide roller (right guide) to obtain maximum amplitude at right side of head envelope.

7.Turn (CCW) guide roller (left guide) to obtain maximum amplitude at right side of head envelope.

8.Adjust tracking control (VR102) for best envelope. 9.Touch up guide rollers for maximum amplitude flat

 Touch up guide rollers for maximum amplitude flat envelope. Tighten set screw at pole base of guide rollers.

10.Adjust control head position (if necessary) to move the best envelope condition to the tracking control detent position.

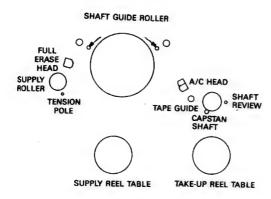


Fig.8

Note:

In the event correct head envelope is not obtainable, check Audio/Control (A/C) head adjustment.

3-13. Audio/Control (A/C) Head Horizontal Position (See Fig. 7)

This adjustment establishes proper tape tracking when the tracking control (VR102) is in its detent position.

1Connect a scope probe(10mV/div.;5ms/div.) to TP-W35(Main-A P.C.B.; PB FM level)

2.Set tracking control(VR102) to the detent(fixed) position

3.Playback monoscope signal on test tape.
(Alignment tape SR1-2.See Jig list)

4. Carefully move the A/C head base plate in either diretion for maximum head envelope output by adjusting the X-value screw.

Note:

This adjustments should only be made after the tracking preset adjustment is completed.
(See Electrical Adjustments.)

3-14. Operating The VCR without Inserting a Cassette Tape

1.Remove the top cover.

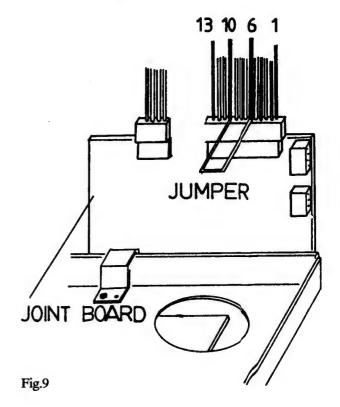
2. Remove the housing assembly. (Fig. 12)

3.Plug the power cord of the VCR into the AC outlet.

4. Turn "on" the power switch of the VCR.

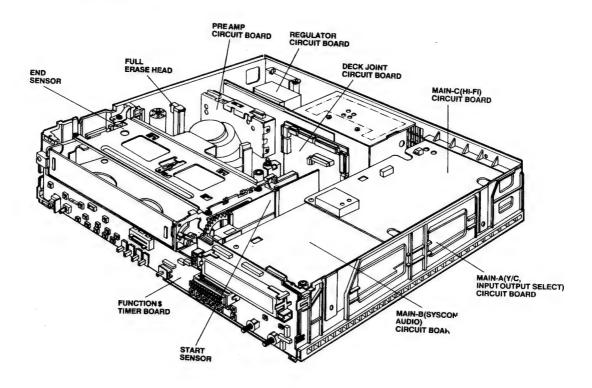
5. Connect a jumper to short circuit shortly between pin 10 and the pin 6 of connector.

6. The above procedure enables the VCR to be operated without loading a cassette tape.



4. ELECTRICAL ADJUSTMENTS

4-1. CIRCUIT BOARD LOCATION AND IDENTIFICATION



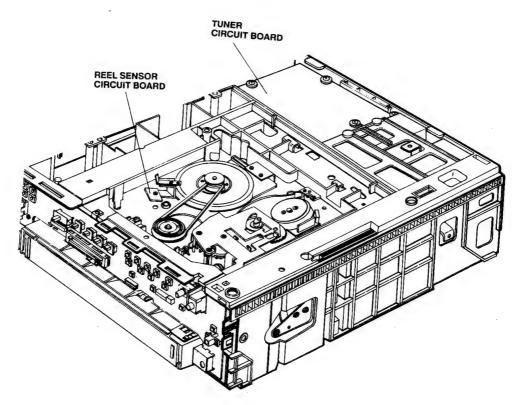


Fig.1

4-2. SERVO SECTION in MAIN B. PCB

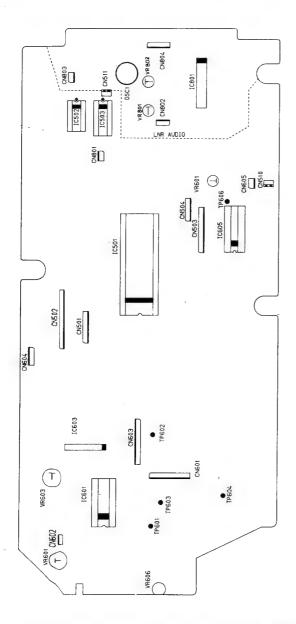


Fig.2 Syscon / Servo / Linear Audio / SECTION in MAIN-B P.C.B COMPONENT SIDE

4-2-1. PG (Pulse Generator) Shifter Adjustment.

Equipment: Oscilloscope

Test Points: TP 304 (Video Output Signal) Main. A

TP 603 (H'd SW 25Hz) Main. B

Adjust: VR603 (PG shifter) Main. B

The Pulse Generator (PG) shifter determines the Video head switching point during playback. Misadjustment of the PG Shifter may cause head switching noise in the picture and/or vertical jitter.

1.Load the instrument with an alignment tape and playback the color bar signal or monoscope signal. (Alignment tape SR2-2)

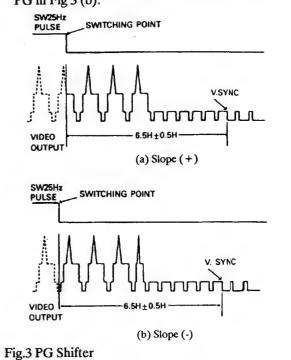
2.Connect a channel-1 scope probe (1V/div.;50us/div.)

to TP603. Trigger the scope on channel-1.

3. Connect a channel-2 scope probe (1V/div.) to TP304.

4. Set the scope to (+) slope and adjust the shifter control (VR603) so that the trailing edge of the SW 25Hz pulse is placed 6.5H +/- 0.5H (horizontal) lines before the start of vertical sync pulse in Fig 3(a)

5. And then, set the scope to (-) slope and confirm the PG in Fig 3 (b).



4-2-2. Tracking Preset Adjustment

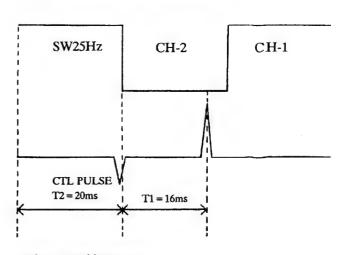


Fig. 4 Tracking Preset

Equipment: Oscilloscope

Test Points: TP 603 (H'd SW 25Hz) Main. B
TP 604 (CTL Pulse) Main. B
Adjust: VR601 (Tracking Preset) Main. B

The adjustment sets the optimum tracking during playback of a tape recorded on this instrument so that it occurs at the detended position of the tracking contorl (VR102).

- 1.Load the instrument with an alignment tape and playback the color bar signal. (Alignment Tape SR 2-2)
- 2. Connect a channel 1 scope probe (2 V/div.) to TP603. Trigger the scope on channel -1.
- 3. Connect a channel -2 scope probe (1V/div.) to TP604.
- 4.Set the Tracking control (VR102) on the front panel to the detented position and adjust the Tracking Presest Control (VR601) to align the pulse width T = 16 + 0.2mS. (Fig. 4)

Note:

Make sure that T2 > T1. If not, change the order of the CTL head wire for the correct SERVO adjustment.

4-2-3. Vertical Lock Pulse Adjustment

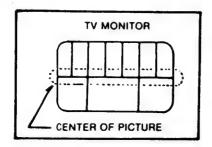


Fig.5

Equipment: TV monitor

Adjust: VR 606 (V-Lock ADJ)

Main.B

This adjustment is to prevent vertically unstable picture in still mode.

- 1. Apply a PAL color bar signal to the video input jack (BNC) on the rear panel.
- 2.Locate the input select SW to EXT.
- Insert a blank tape and make a recording for a few minutes.
- 4. Playback in STILL mode.
- 5.Adjust the V-Lock Control (VR606) so that the center of picture is most stable. (Fig. 5)

4-2-4. Fine Still Adjustment.

Equipment: Oscilloscope

Test Points: TP 603 (H'd SW 25Hz) Main. B

TP 606 (Fine Still Pulse) Main. B

Adjust: VR 610 (Fine Still Control) Main. B

This adjustment is for the Fine Still in Still of F/ADV mode.

1.Load the instrument with an alignment tape and playback the color bar signal.
(Alignment Tape SR 2-2.)

- 2.Connect a channel -1 scope probe (2V/div. 5ms/div.) to TP603.
- 3. Connect a channel -2 scope probe (2V/div.) to TP606.
- 4.Playback in Still mode.
- 5.Adjust the Fine Still control (VR610) so that the monomulti of IC605-11(TP606) is as shown in Fig. 6.

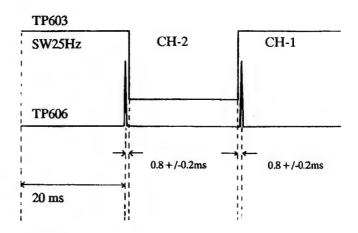


Fig.6

4-3. LUMI/CHROMA SECTION in MAIN - A P.C.B

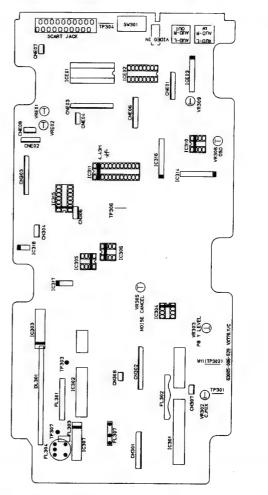


Fig.7 Luminance & Chrominance / Input Output Select Section in Main-A P.C.B Component Side.

4-3-1. E-E Level Adjustment

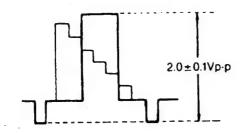


Fig.8

Equipment: Oscilloscope

Test Point: TP304(Video Out Level)

Adjust: VR309(E-E Level Control)

Main A

Main A

This adjustment sets the output level of video signal to the specified level.

1. Apply a PAL color bar signal to the video input jack on the rear panel.

2.Locate the input selected SW to EXT.

3.Connect a channel-1 scope probe(0.5V/div.;10us/div). to TP304

4.Adjust the E-E level control(VR309) for 2Vp-p.

Note:

When VCR set connected monitor (75 ohm termination) by scart jack adjust the E-E level control (VR309) for 1Vp-p.

4-3-2. Video Signal DC Level Adjustment

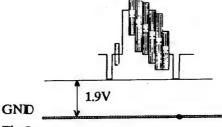


Fig.9

Equipment: Oscilloscope

Test Point: Jumper pin4 to pin8 of IC310 Main A
Adjust: VR308(Video DC Level Control) Main A

This adjustment sets the DC level of video signal to the specified level

1.Apply a PAL color bar signal to the video input jack on the rear panel.

2.Locate the input selected SW to EXT.

3. Connect a channel-1 scope probe(0.5v.;10us/div.) to jumper of IC310-4pin to 8pin.

4.Adjust the DC level of video signal control(VR308) for 1.9V.

(Victo DC level means the DC level of ground to SYNC tip)

4-3-3. PB Luminance(Y) Level Adjustment.

Equipment: Oscilloscope

Test Point: TP 304 (Video Output Leval) Main. A Adjust: VR 303 (PB Y Level Control) Main. A

This adjustment sets the output level of the PB luminance signal to the specified level.

1.Connect a channel-1 scope probe(0.5V/div.; 10us/div.) to TP 304.

2.Load the instrument with an alignment tape and playback the color bar signal. (Alignment Tape SR2-2)3.Adjust the PB Luminance Level Control (VR303) for 2 Vp-p.

Note:

When VCR set connected monitor (75 ohm termination) by scart jack, adjust the PB level control (VR303) for 1Vp-p

4-3-4. PB Chrominance Level Adjustment

Equipment: Oscilloscope

Test Point: TP304(Video Output Level) Main. A Adjust: VR302 (Chroma Level Control) Main. A

This adjustment sets the output level of PB video chrominance signal to the specifed level.

1.Connect a channel-1 scope probe (0.5V/div.) to TP304.

2.Load the instrument with an alignment tape and playback the color bar signal. (Alignment Tape SR 2-2) 3.Adjust the PB chrominance Level Control (VR302) for 0.6Vp-p.

Note:

When VCR set connected monitor (75 ohm termination) by scart jack, adjust the PB chrominance level control (VR302) for 0.3Vp-p.

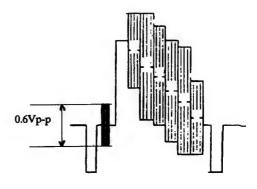


Fig.10

4-3-5. Noise Cancel Adjustment

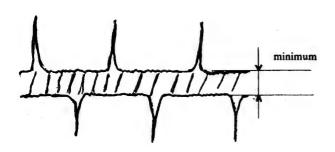


Fig.11

Equipment: Oscillscope

Test Point: TP 304 (Video Output Level) Main A

TP302(Noise Cancel Level) Main A

Adjust: VR 305(Noise Cancel Control) Main A

This adjustment sets the level of noise to the minimum level

1.Connect a channel-1 scope probe(0.5V/div.;10us/div) to TP304,channel-2 scope probe (5mV/div) to TP302. Oscilloscope sets mode channel-2.

2.Load the instrument with an alignment tape and playback the color bar signal. (Alignment Tape SR2-2)

3. Adjust the Noise Cancel control (VR305) for Minimum level.

4-3-6. Sub Carrier Frequency (4.43 MHz) Adjustment

Equipment: Frequency Counter

Test Point: TP306 (VXO OUT) Main. A Adjust: VC301 (Sub Carrier Frequency) Main. A

This adjustment sets the 4.43MHz VXO oscillation frequency accurately.

When this adjustment is incomplete, the color of blue back is disabled.

1. Connect a frequency counter to TP306.

2. Adjust the Sub Carrier Frequency Control (VC301) so that the frequency reads 4.433619 MHz +/- 50Hz

4-3-7. SECAM DET Adjustment (OPTION: Used For VX-Series Model)

Equipment: Oscilloscope

Test point: TP307(SECAM DET Level) Main A
Ajust: FL304 (SECAM DET Control) Main A

1.Apply a SECAM color bar signal to the video input jack on the rear panel

2.Locate the input selected SW to EXT.

3.Connect a channel-1 scope probe (1V/div.) to TP307

4. Insert a blank tape and make a recording

5.Adjust FL304 for 4.2Vp-p

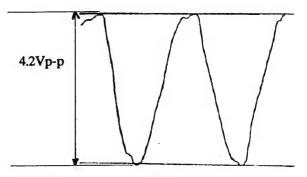


Fig.12 SECAM DET LEVEL

4-3-8. REC FM Current level Adjustment (Pre-AMP)

Equipment: Oscilloscope

Test points: TP 1(REC Current Level) Pre-AMP

TP603(H'd SW 25Hz) Main B

Adjust: VR1 (The left VR of Pre AMP)

This adjustment sets the level of REC FM Current to the optimum level.

1.Apply a PAL color bar signal to the video input jack on the rear panel.

2.Locate the input selected SW to EXT.

3.Connect a channel-1 scope probe (50mV.: 1us/div.) to TP1 (Pre AMP). Connect a channel-2 scope probe (1V/div.) to TP603 (Main-B board).

4.Insert a blank tape and make a recording.

5.Adjust the FM current control (VR1) for 100mV.

4-3-9. REC CHROMA Level Adjustment (Pre-AMP)

Equipment: Oscilloscope

Test Point: TP1(REC Current Level) Pre-AMP

TP603(H'd SW 25 Hz) Main B

Adjust: VR2(The right VR of the Pre-AMP)

This adjustment sets the level of REC CHROMA to the optimum level.

1.Apply a PAL color bar signal to the video input jack on the rear panel

2.Locate the input selected SW to EXT.

 Connect a channel-1 scope probe(50mV/div.;1us/div) to TP1(Pre-AMP).

4. Connect a channel-2 scope probe to TP603

5.Make a short pin3(GND) and pin6(REC Y FM) of wafer-CN1(Pre-AMP)

6.Adjust the REC CHROMA level control(VR2) for 24mV.

4-3-10.O.S.D Level Adjustment (OPTION: Used For OSD Function Model)

Equipment: Oscilloscope

Test Point: TP304(Video Out) Main A
Adjust: VC303(Horizontal Position) Main A

VR308(OSD Level ADJ) Main A

1. Apply a color bar signal to the input jack on the rear panel.

2.Locate the input select SW to EXT.

3. Push twice the display key on the REMOCON so that OSD is shown at the TV monitor.

4.Adjust OSD position control (VC303) so that OSD sets on the center of TV monitor. (See Fig.13)

5. Adjust the OSD level control (VR308) for 100% white level.(See Fig.14)

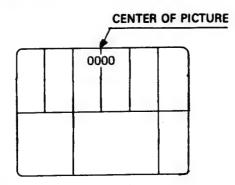


Fig.13

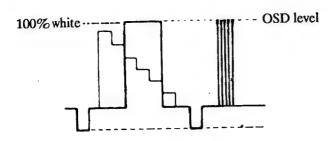


Fig.14

4-4.Hi-Fi SECTION in Main C P.C.B

Notes;

* Unless otherwise specified, set the switches on the front panel as follows.

Audio monitor select switch:

Hi-Fi

Source select switch:

EXT

ALC switch:

AUTO

* Connect 47K-ohm loads to both channels L and R of the audio line output terminals.

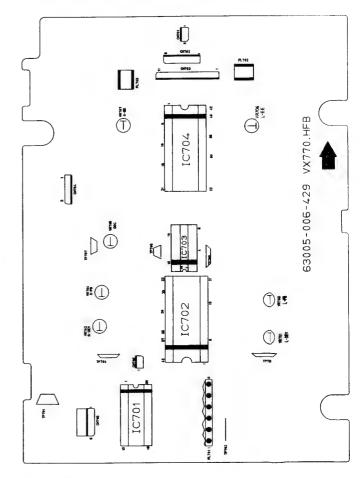


Fig.15 Hi-Fi Section Main-C P.C.B Component side

4-4-1.E-E Level Adjustment

Equipment: Sinewave Signal Generator

AC Voltmeter

Test Point: Audio Output Jack

Main C

Adjust: VR706(L-CH EE Level) VR707(R-CH EE Level)

Main C

1. Set the output of signal generator to 1KHZ, -8dBm(309mVrms).

2. Connect the signal generator to both audo in terminal. 3.Adjust VR706 so that the audio(L-CH)output level becomes -6dBm(388mVrms).

4.Adjust VR707 so that the audio(R-CH)output level becomes -6dBm(388mVrms).

4-4-2. Audio Playback Level Adjustment

Equipment : AC Voltmeter Test Point: Audio Output Jack

Main C VR703 (L-CH PB Level) Adjust: Main C VR704(R-CH PB Level)

1. Connect a AC voltmeter to the audio output jack.

2.Playback the alignment tape(HR2-1).

3.Adjust VR703 so that the audio(L-CH) output level becomes -6dBm(388mVrms).

4.Adjust VR704 so that the audio(R-CH) output level becomes -6dBm(388mVrms)

4-4-3. Audio Deviation Adjustment

After this adjustment "Audio Playback Level Adjustment" must be completed.

Equipment: Sinewave Signal Generator

AC Voltmeter

Test Point: Audio Output Jack

VR701(L-CH Deviation Control) Main C Adjust: VR702(R-CH Deviation Control) Main C

1.Set the output of signal generator to 1KHz -8dBm (309mVrms).

2. Connect the signal generator to both audio in terminal.

3. Adjust REC level control VR105 of front panel so that both audio output level becomes -6dBm(388mVrms).

4. Record the audio signal and playback the just recored portion.

5.Adjust VR701 so that the audio(L-CH) output level becomes -6dBm(388mVrms).

6.Adjust VR702 so that the audio(R-CH) output level becomes -6dBm(388mVrms).

4-4-4.Drop Out Level Adjustment

Equipment: Digital Voltmeter

Test Point: TP707(Drop Out Level) Main C VR705(Drop Out Level Control) Main C Adjust:

Fig15

1. Connect a digital voltmeter to TP707. 2.Playback the alignment tape SR2-2.

3.Adjust VR705 to obtain 2.6V.

4-4-5.Level Meter Adjustment

Equipment: Sinewave Signal Generator

Test Point: Level Meter

Main A VRE01(L-CH Level ADJ) Adjust:

Main A VRE02(R-CH Level ADJ)

1.Set the output of signal generator to 1KHz,

-8dBm(309mVrms) and supply it to audio input jack(L).

2.Adjust VRE01 so that the 0dB of L-CH level meter just lights up.

3.Adjust VRE02 so that the 0dB of L-CH level meter just lights up.

4-5.NORMAL AUDIO SECTION in Main B P.C.B

Notes:

* Set the switchs on the front panel as indicated below. Audio monitor select switch: NOR Source select switch: **EXT**

- * Connect 47K-ohm load to both channels L and R of the audio line output terminals.
- * Perform the azimuth adjustment and height adjustment perfectly and then proceed the adjustments.

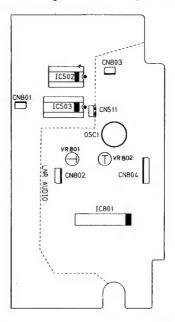


Fig.16 Normal Audio Section in Main-B P.C.B Component Side

4-5-1. Playback Output Level Adjustment

Equipment: Signal Generator

AC Voltmeter

Test Point: Audio Output Jack

Adjust: VR801(PB Output Level Control) Main B

1. Connect AC voltmeter to the audio output jack and playback the alignment tape(SR2-2).

2.Adjust VR801 so that the playback level becomes -6dBm(388mVrms).

4-5-2. Audio Bias Current Adjustment

Equipment: AC Vlotmetor

Test Point: TP1

VR802(Audio Bias Current ADJ) Main B Adjust:

1.Connect a AC voltmeter to TP1(+) and TP2(-). (Do not use long cable for connection)

2. Make a short circuit at terminal of the audio input.

3.Place the VCR in recording mode.

4.Adjust VR802 so that reading of AC Voltrenter becomes 2.2mVrms.

4-6. TUNER BLOCK ADJUSTMENT (OPTION: Used For VX-319, VX-770, VB-770)

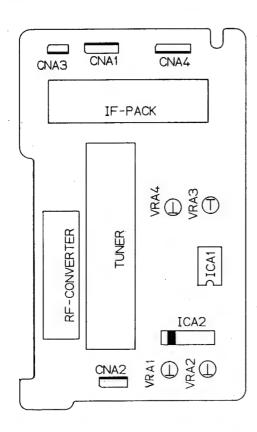


Fig.17 TUNER P.C.B Component Side

4-6-1. Dual Sound Level Adjustment

Equipment: AC voltmeter.

TV channel signal generator.

Test Point: Pin 2 and 3 of a connector CNA4 TUNER VRA3(L-CH Sound Level ADJ) TUNER Adjust:

VRA4(R-CH Sound Level ADJ) TUNER

This adjustment sets the output level of the dual signal to the specified level.

4-6-1-1. L-CH Output Level Adjustment (MAIN)

- 1.Place the instrument in the E-E mode(TV mode)
- 2.Apply the output of the genertor to the RF IN Terminal on the rear panel.

3.Setthe RF signal generator.

* Setthe channel selector to CH2(48.25MHz)

* Condition

Pre-emp: 50us Pilot: ON Dual: ON

Deviation: +/- 30KHz

- 4.Turn the VCR power on and select TV mode.
- 5. Set the channel on the front panel to CH2.
- 6.Connect a AC voltmeter to the pin2 of a connector CNA4.
- 7.Adjust the Sound(Audio) level control (VRA3) for -14dBs.

4-6-1-2.R-CH Output Level Adjustment(SUB)

- 1.Connect a AC voltmeter to the pin3 of a connector CNA4.
- 2.Adjust the Sound(Audio) level control (VRA4) for -14dBs.

4-6-2. Stereo Sound Distortion and Output Level Adjustment.

Equipment: Oscilloscope, AC voltmeter,

TV Channel Signal Generator.

Pin 2 of a connector CNA4. Main A Test point: VRA1 (Distortion Level ADJ) Main A Adjust:

Main A VRA2(Output level ADJ)

This Adjustment suppresses the Audio distortion and sets the output level of STEREO signal to the specified level.

4-6-2-1. Distortion Adjustment

- 1. Apply the output of the generator to the RF IN terminal on the rear panel. 2.Set the RF signal generator.
- * Set the channel selector to CH2. (48.25MHz)
- * Condition

Stereo: ON, Pilot: ON, Pre-emp: 50us Deviation: +/-30KHz

3. Turn the VCR power on and select TV mode.

4. Set the channel on the Front panel to CH2.

5. Connect a channel-1 scope probe (0.2 V/div.) to the pin2 of a connector CNA4.

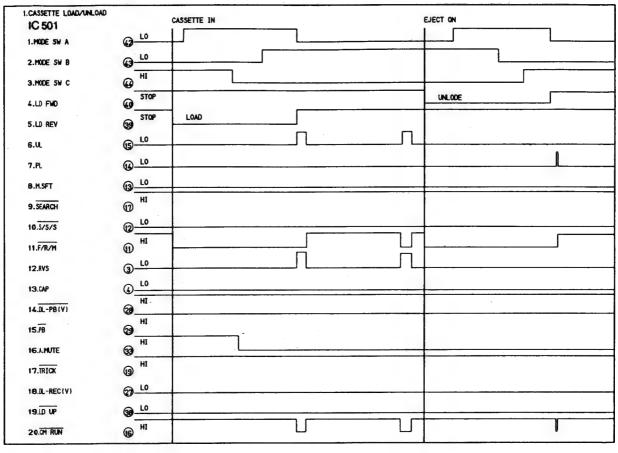
6.Adjust the Distortion Control (VRA1) for minimum distortion.

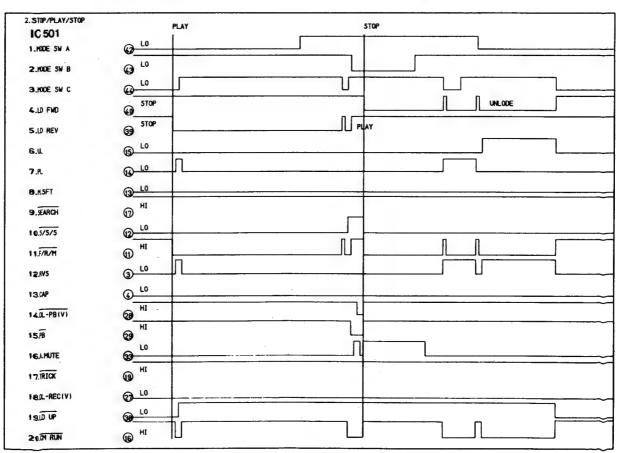
4-6-2-2. STEREO Output Level Adjustment

- 1. Connect a AC voltmeter to the pin2 of a connector
- 2.Adjust the Output Level Control (VRA2) for -14dBs.

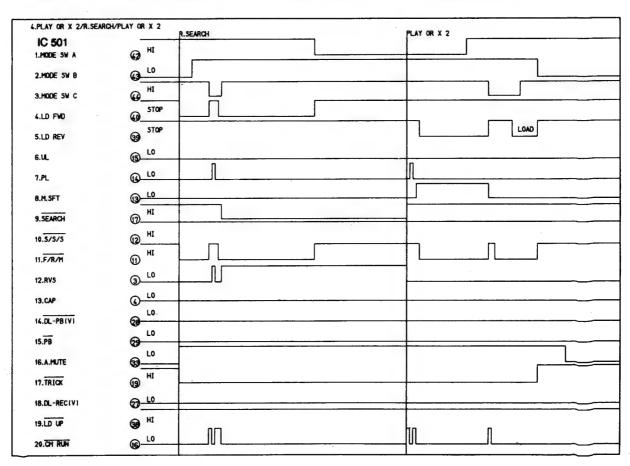
5. TIMING CHART / TROUBLESHOOTING GUIDE

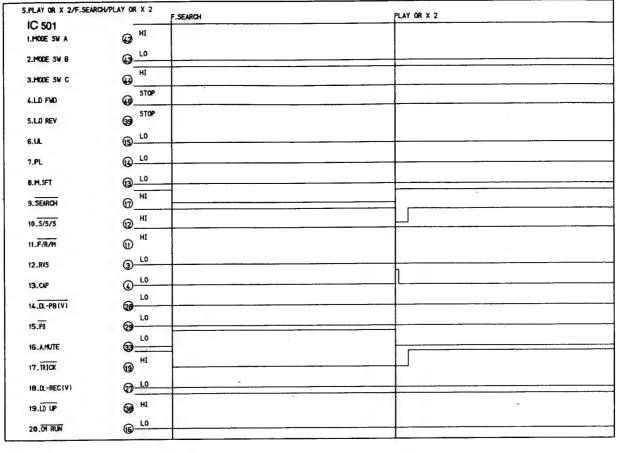
5-1. Timing Chart

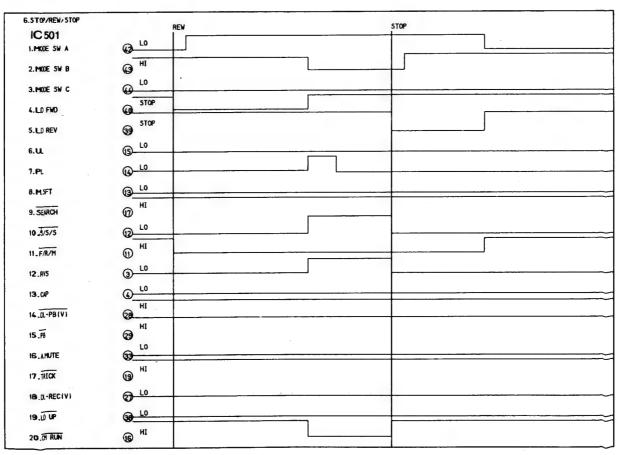


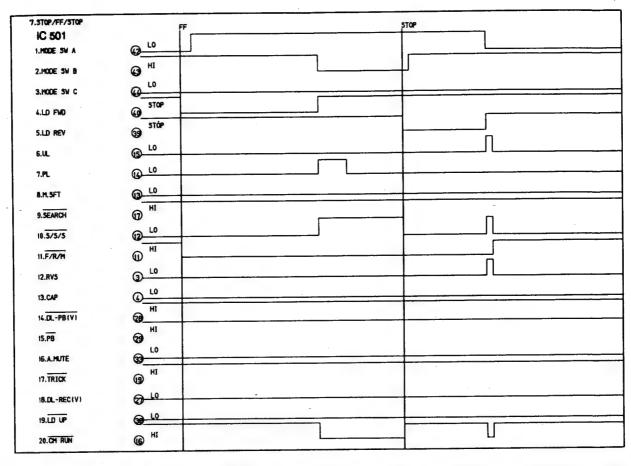


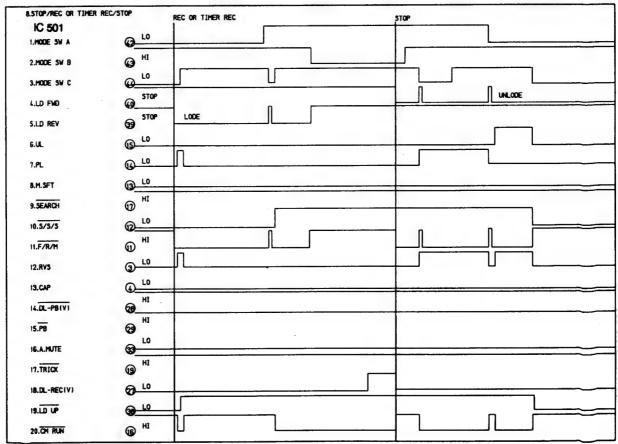
	/F.ADV/PLAY OR X 2 PAUSE	F.ADV	PLAY OR X 2	
IC 501	HI			
1.MODE SW A	⊘ HI			
2.HODE SW B	CO LO			
3.MODE SW C	€ HI			
4.LD FWD	69			
5.LD REV	⊚ STOP			
6.UL	(S)_L0			
7.PL	(k) L0			
8.H.SFT	(3 <u>Lo</u>			
9. SEARCH	①		-	
10.5/5/5	@ HI			
11.F/R/M	(I) HI			
12.RVS	3 LO			
13.CAP	© 10 III			
14.DL-PB(V)	€ LO			
15.PB	@-L0			
IG.A.HUTE	33			
17.TRICK	(B) HI			
18.DL-REC(V)	€ L0	-		 -
19.LD UP	⊗ HI			
20.CH RUN	(6) LO			





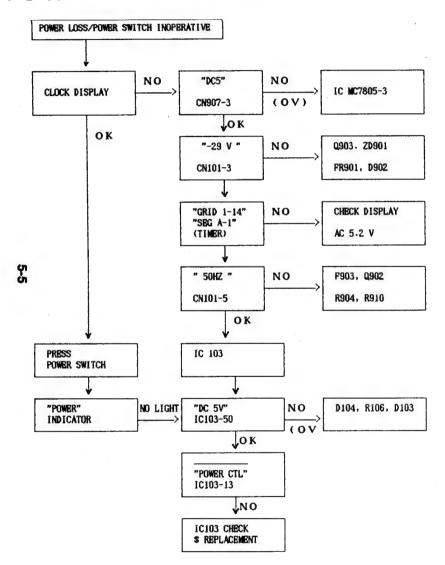




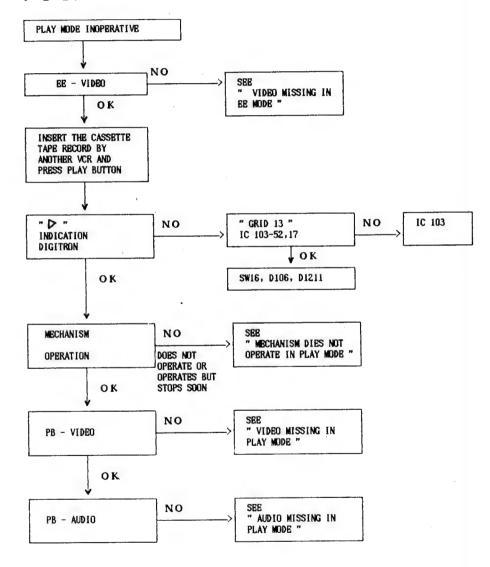


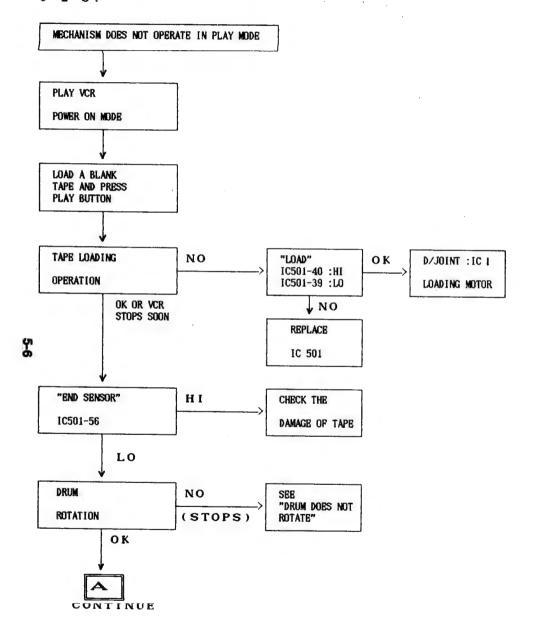
5-2. Troubleshooting Guides

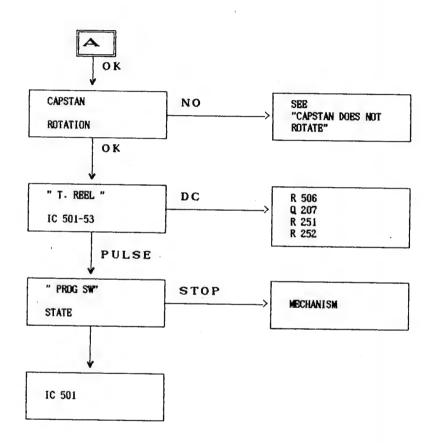
5 - 2 - 1 .



5-2-2.

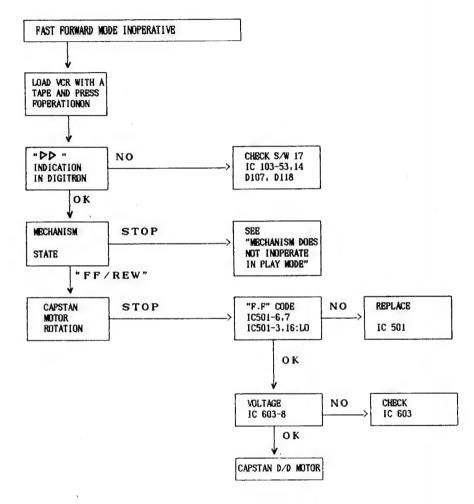


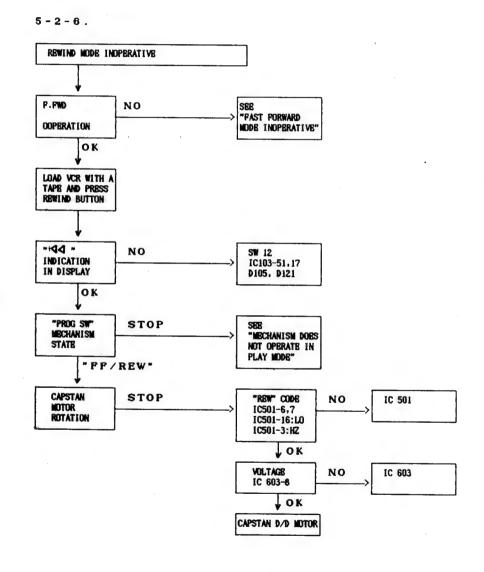


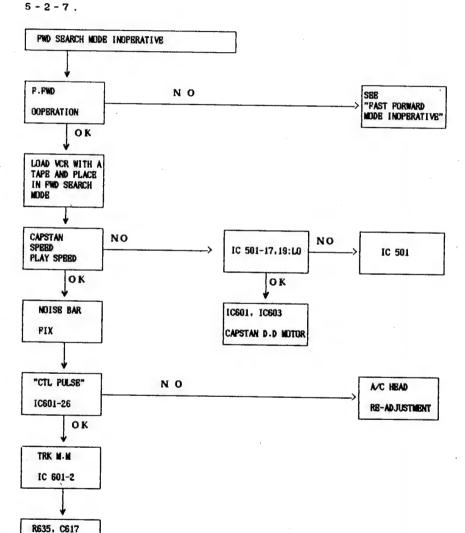


IN RECORD MODE"

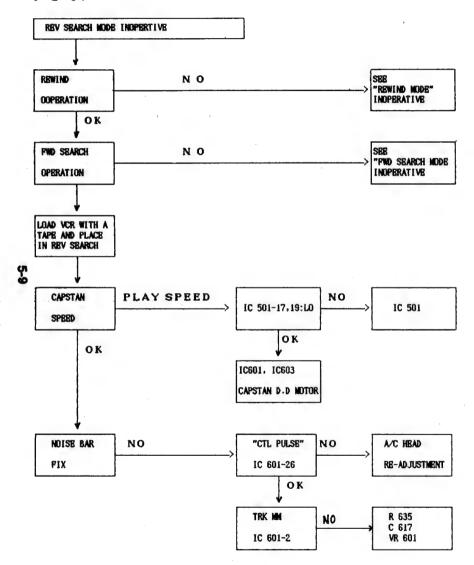
5-2-5.



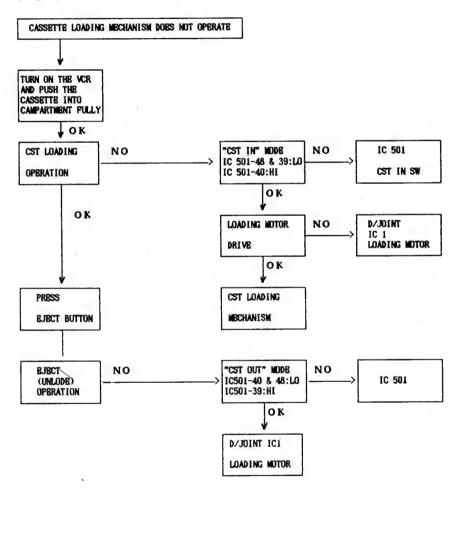


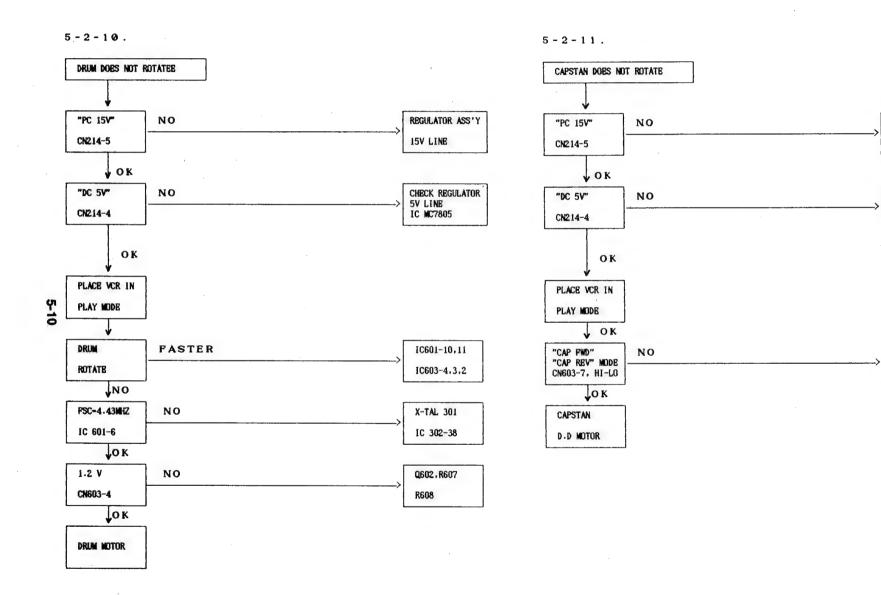


VR601



5-2-9.





REGULATOR ASS'Y

CHECK REGULATOR

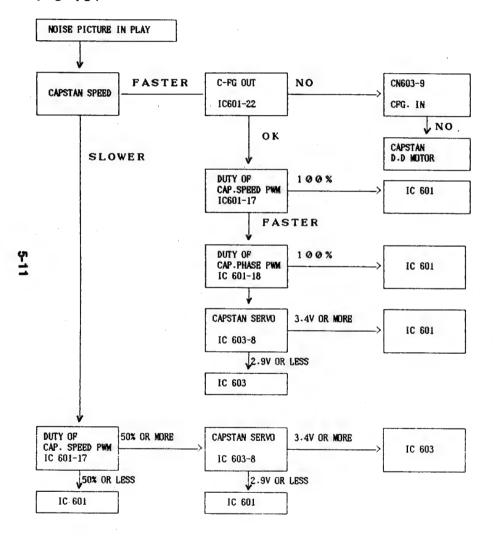
15V LINE

5V LINE

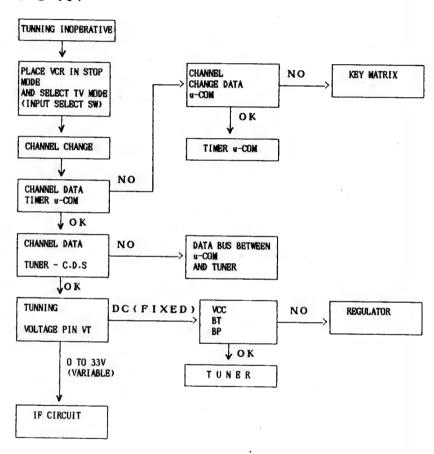
IC MC7805

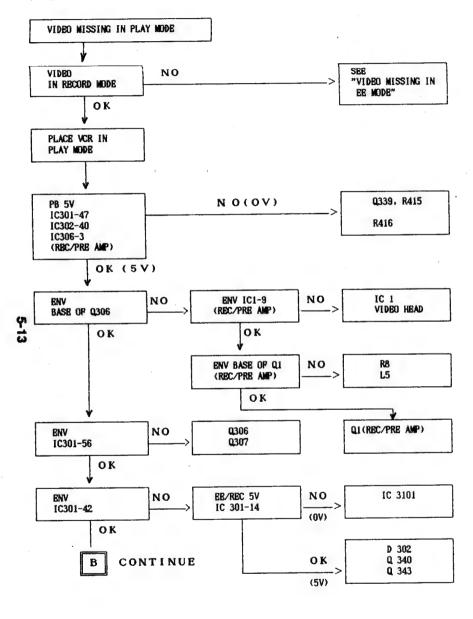
IC501-3

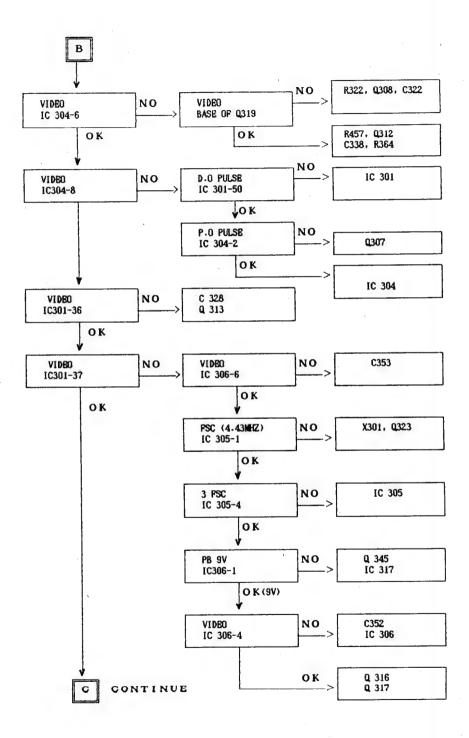
0616

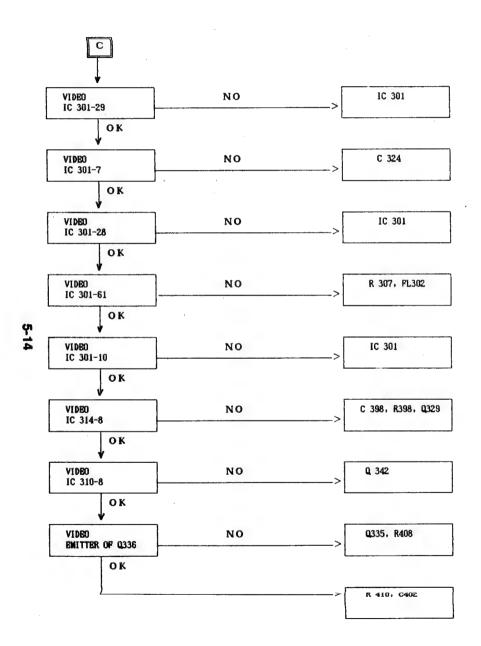


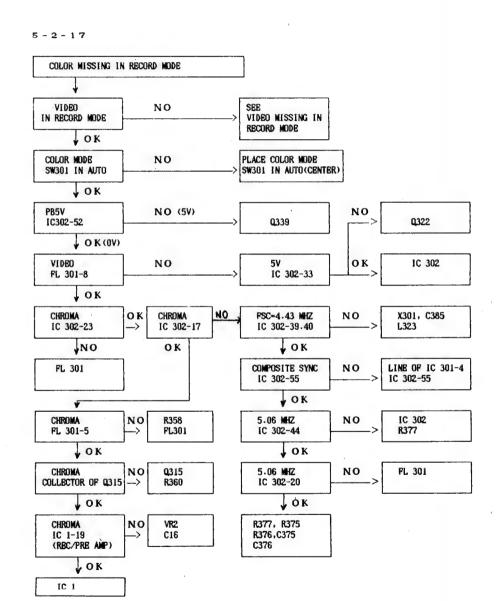
5-2-13.

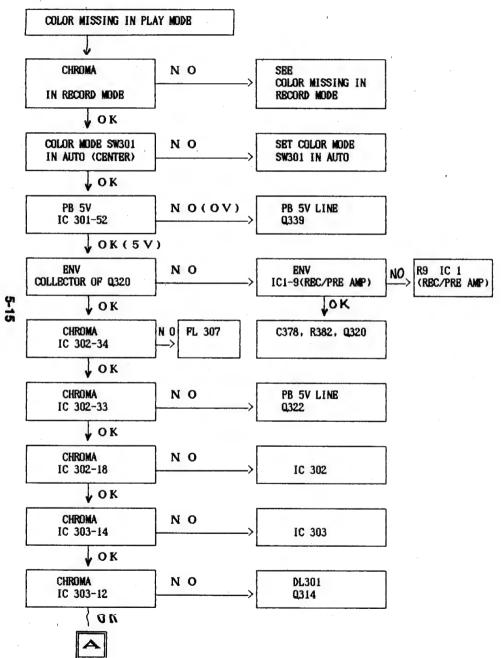


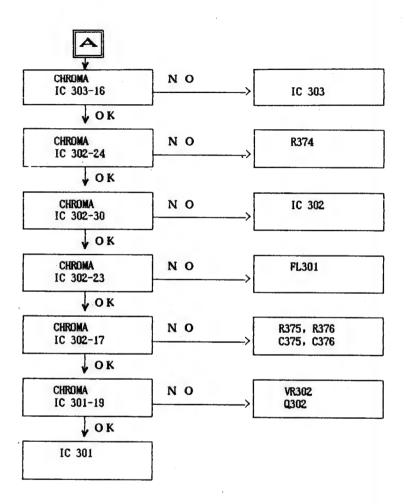


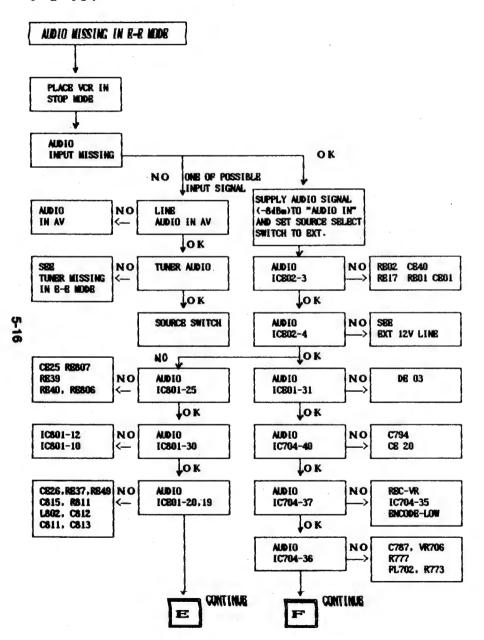


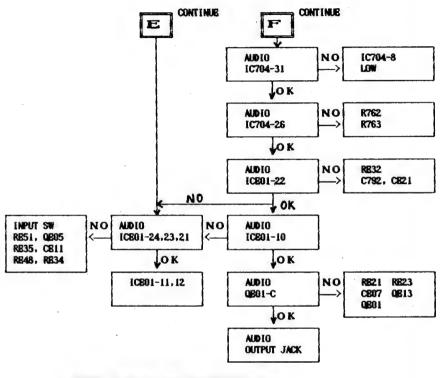




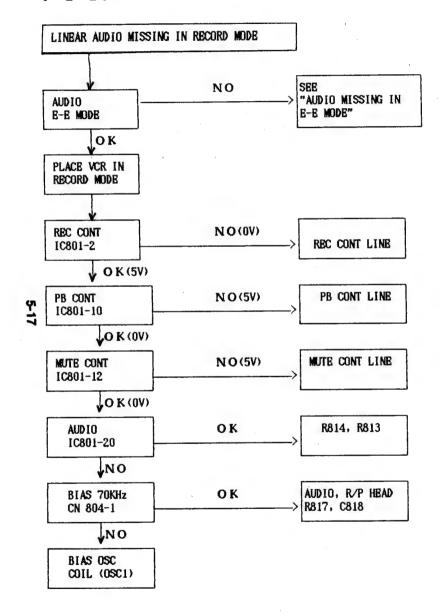


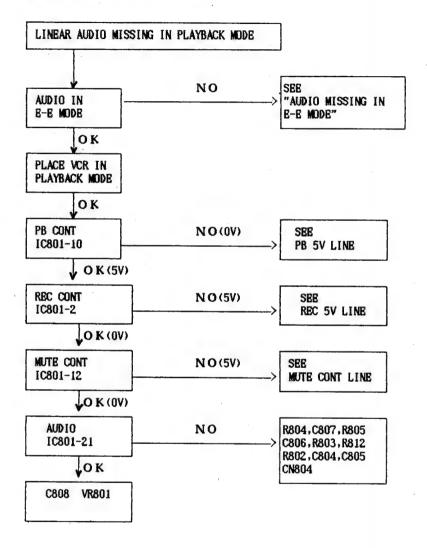




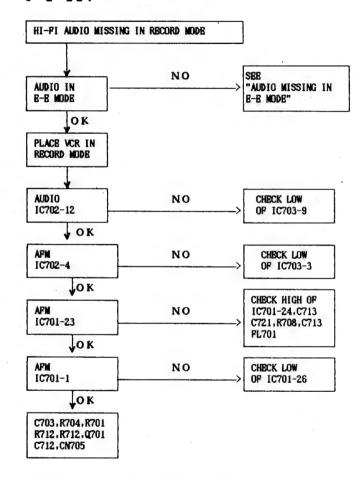


NOTES) IT IS ALSO THE CASE WITH R-CHANNEL



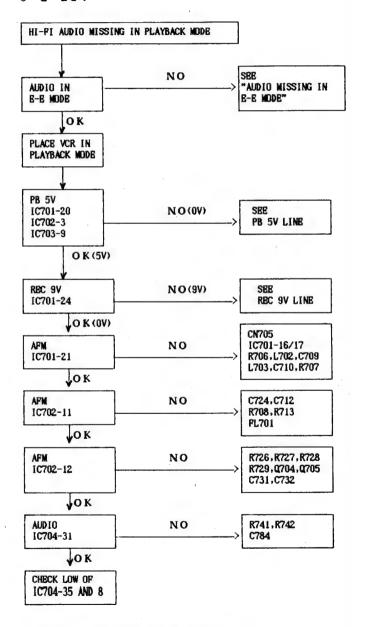


5-2-22.



NOTES) IT IS ALSO THE CASE WITH R-CHANNEL

5-2-23.



NOTES) IT IS ALSO THE CASE WITH R-CHANNEL

6 REPLACEMENT PARTS LIST

CA.NO	PART-NUMBER	DESCRIPTION: SPECIFICATION		LOCA . NO	PART-NUMBER	DESCRIPTION; SPECIFICATION	REM
		TRANSPORT MECHANISM ASSEMBLY	ï	260		LOADING GEAR R; DURANEX #2002	į
Y		AMOUNT OFFICE ADDRESS OF THE	1044		66052-600-310 64769-160-161	IDLER CLUTCH ASSY:D7-NR2A MOTOR CAPSTAN:VFC 1510 CL	1
1	66128-688-238	MECHA CHASSIS ASST; SECC+SUM	S.N.A	268		CAPSTAN HOLDER ASSY:PC 30% GF	i
6	65234-600-420 65234-600-520			269		CAP FLYWHEEL ASSY; ZDC2+SUS	i
17 19	66674-617-810	SPRING TENSION: D7-NR2A		270		BRKT -PHOTO IN: SECC 1.6T	1 1
	65254-608-410			271	65274-688-811	CAPSTAN BELT: DC-66	!
1 1		TENSION BAND ASSY: D7-NR2A		272		IDLER BELT; CR-65	!
2	69000-280-142	ASSY P/B LOADING ARM (L):D-8		273		PLATE MAIN SLIDE; SECCE 20/20	!
3 1	66613-685-728			274		1.B SLIDE ASSY; SECC+SUM+SUS	!
4	65223-700-330			275		SLIDE STOPPER:CY-65 SPRING I.B SLIDE:SUS304-WPB	1
5	69999-289-141	ASSY P/B LOADING ARM (R):D-8		276 277		ASSY LGADING MOTOR; D7-NR2A	1
6		POLE BASE R ASSY; ZAMARKZ+SUS		280		TIE BAND: NYLON 616.100	i
7	65254-618-838			281		ASSY PHOTO INTERRUPTER ; G-8 ML4	i
9 -	67224-602-610 66674-611-810			282		LEAD CON. ASSY: 1429 #26 RED 218 CN207	1
28		ASSY-HOLDER LED: D7-NR2A		285		LEAD CON. ASSY: 14229#26 WHT 320CN209	1
1	66604-609-210		1 1	286		LEAD CON. ASSY: 1429 #26 BLU 380 CN210	ļ
22	62309-112-020			985		SCREW-PH: M3+3 FE FZY	!
3	63853-607-110	LEAD CON. ASSY: 1429 #26 BLU 16@CN211		986		SCREW-PH; +M3X6 FE FZY	!
25	66674-611-518	SPRING TORSION A/C; SUS304-WPB		907	67004-100-716		1
26	67384-688-818			911		SCREW-PH; +M3X5 FE FZY	-
28		A/C HEAD ASSY : D-8 PH5B		914	67894-788-718		1
29	66674-614-710			953 955	67384-183-438 67384-788-618		i
30		HOLDER A/C HEAD; SECC SPRING A/C HEAD; SUS WPA		956	66864-680-418		i
32	66674-718-910 67894-701-410			973	67358-102-506		i
34	64079-503-062			Q005	62309-110-243		1
35	65253-602-210						
16	66674-614-518			i i		HOUSING ASSEMBLY	
37	65224-602-410	BUSH ROLLER SUPPLY: D7-NR2A				Luciario Acamer -	1
38	65164-700-420			581	66122-700-502		S.N
39	65224-783-226			503		SIDE CHASSIS(R); ANS G20	S.A
		INNER-SUPPLY; C3604BD		504 505		SIDE CHASSIS(L):ABS BLK CASSETTE-GUIDE:ABS(BLK)	1 5.1
11	67298-213-991		S.N.A		65104 612 010		S.N
12	66114-600-310			507	65204 603 010		1 5.1
14 16	66674-613-110	PINCH ROLLER ASSY: TCR-65		508	65204 603 120	i	I S.A
17	65253-609-120			509		MASK CAN LEVER; DURACON(M90-44)	1 5.1
18	66674-611-720			510		ASSY CASSETTE HOLDER; F/L SYSTEM(G7)	1
19	65254-612-918		1 1	1 511		CASSETTE HOLDER; SECC-E20/20 T1.2	1
50	65254-613-010			512		KEY-CASSETTE; DUDRACON+SUS 304 T0.5	!
51	66674-611-916			513	66674 612 618		!
52	65254-688-728			514		HOLDER SHAFT(R);SUM-2(H)	- 1
84	65253-684-819			515	65104-612-210		1
55	66674-612-110			516	65164-612-316		;
65	66684-623-428			517 518	65184-612-418	VERTICAL GUIDE PIN; SUM-2(H)	i
78	69000-280-148 67224-602-210	ASSY-JOINT BOARD; VX-750 CAN ADJUST; ALLOY 5		1 519	66152 600 110	UPPER CHASSIS:SEC-E 20/20 1.0	i
53 54	66674-624-618		i i	520	66674 688 118		1
95	66464-601-100		4	1 521	65202 600 220	SIDE ARM(R); DURACON(M90-44)	į.
36	66674-625-888	SPRING BRAKE WEAK(T); SUS 304 WPB		522	66674 616 410		4
02	66604-624-920	HOLDER TR ASSY: A20179+SUS384		523		SIDE ARM(L); DURACON(M90-44)	1
14	64769-052-057	MOTOR DRUM; VDB 12 15 AL.		524		ARM TORSION SPRING L;SWP-B P1.0	1
50		DRUM ASSY; G8-PH4		525		ARM GEAR; ESLON PBT(ES830S)	!
51		ASSY BASE DRUM; R7NR2B-IK;	!	526		ARM GEAR PIN; SUS 420 J2-8	1
52		ASSY LOWER DRUM: G8-PH4				E.JECT SPRING; SWP-B WORN GEAR HOUSING; DURACON	1
53	69080-378-087			528 529		TIMING CEAR; DURACON(M90-44)	i
15	67884-188-818			530		BRKT HOUSING; SPG T1.#	1 5.1
93 94	67888-138-881			531		LID OPENER; DURACON(M90-44)	1
94 96	67668-828-848 67688-138-661			532		LID OPENER SPRING; SWP-B P10.5	1
0 7	6780-4-180-710			534		MASK-SPRING; SUS 304	1
11	67009-130-051		1	11 535		REC SAFETY-S/W: MSW-1465 NBKU	1
12	67008-126-081	SCREW-PH;+M2.6X8 PE FZY		536		LEAD WIRE: 1429 #26 GRAY 365	1 5.1
13	67898-123-181	SCREW-PH:+M2.3X18 FE FZY		537		LEAD WIRE:1429 #26 BLUE 183	S.I
14	67894-788-718			538		CASSETTE-S/W; MSM-1429CA(0.15T)	1.
15	67804-188-810			539		LEAD WIRE:1429 #26 BROWN 195 LEAD WIRE:1420 #26 BLACK 180	1 5.1
17	67094-700-620			540 541		PWB-SENSOR(E);94V0 1.6TX20.5X25(G08)	S.1
21	67188-338-861			1 541 1 542		LEAD WIRE: 1429 #26 BLUE 288	1 5.1
23 86	67094-700-720		•	542		LEAD WIRE: 1429 #26 RED 288	5.1
56 53	67384-183-418 67384-183-438			544		LEAD WIRE:1429 #26 ORANGE 285	1 5.
54	67304-600-418			545		PWB-SENSOR(S):94V0 1.67X45X35(G-7)	i
57	6733 4-600-310			546	63054-212-410	GROUND WIRE ASSY: 17/0.26 BLK	1 5.1
58	6733 4-600-410		•	548	69000-470-310	ASSY-TAKE UP END SENSOR; F/L SYSTEM	1
60	6733 4-600-320			908		SCREW-BH: M3*5 FE FZY	1
64	6730-4-103-420	The same and the same and the same and the same		909		SCREW TAP PWH;2S-M3X4.5 FE FZY	į
71	6735 8-103-006			910		SCREW TAP BH: 2S-M3X5 FE FZY	1 .
	1		!	II CN206		LEAD CON. ASS'Y; 1429 #26 RED 150 CN206	1 5.1
				1 0001		TRANSISTOR; KSR2001	1
		BOTTOM SIDE MECHANISM		Q062 Q063		TRANSISTOR: KSR2001 TR-PHOTO: PN202S(R)	1
8 2	6611 4-600-010			Q894		TR-PHOTO; PN202S(R)	i
03		BRKT B;SECCE 20/20		547	69000 470 410	ASS'Y-SUPPLY END SENSOR; F/L SYSTEM	1
84		BRKT BACK; SECC T1.6		11			I
88		HEAD BRUSH ASSY(G8); B.B+DAMPER+P.B	1	# 1			1
56		LOADING GEAR L; M90-44		# 0	!		1
30				M M			

LOCA NO	PART-NUMBER	DESCRIPTION: SPECIFICATION	REMARK		PART-NUMBER	DESCRIPTION: SPECIFICATION	REMA
		INSTRUMENT ASSEMBLY	SVX-319	**		INSTRUMENT ASSEMBLY	V(-77
1	69000-173-081	ASSY PANEL FRONT:SVX-319/SEG ABS 94HB		1	69000-183-002		i
2	67601-606-510	PANEL FRONT; ABS 94HB(VX-778)BLK	S.N.A	2		PANEL FRONT; ABS 94HB(VX-770)BLK	S.N.
18A	67624-629-718			104	67624-629-718	KNOB DUMMY(A); ABS 94HB(VX-770)BLK	S.N.
18B	67623-620-710			1 0B	67623-628-728	KNOB DUMMY(B);ABS 94HB(VI-770/UK)BLK KNOB DUMMY(C);ABS 94HB(VI-770/UK)BLK	S.N.
19C	67624-629-210	KNOB DUMMY(C); ABS 94HB(VX-770)BLK	S.N.A		67624-629-220	KNOB CHANNEL; ABS 94HB(VX-778)BLK	S.N.
12	67624-629-418 67623-621-110		S.N.A		67623-621-110	KNOB TIMER; ABS 94HB(VX-776)BLK	S.N.
13 16A	67623-628-818		S.N.A			KNOB FUN(A):ABS 94HB(VI-770/UK)BLK SI1	S.N.
168	67623-628-918		S.N.A		67623-628-910		S.N.
16C	67623-621-010		S.N.A	16C	67623-621-010	KNOB FUN(C):ABS 94HB(VX-770)BLK	S.N.
19	67624-629-316		S.H.A		67624-629-310		S.N.
27	67624-629-51		S.N.A			KNOB SLIDE(L):ABS 94HB(VX-770)BLK KNOB SLIDE(R):ABS 94HB(VX-770)BLK	S.N.
28	67624-629-618			28 51	67624-629-618 67642-988-498	ASSY-DOOR FRONT: VI-770/UK	I S.N.
51 72	67642-900-420			72		INDICATOR POWER; VX-770 ACRYL(WHITE)	S.N.
88A	67854-616-910			88A		WINDOW DISPLAY(A):PVC 1.8T(VI-778)	S.N.
808	67654-617-918		S.H.A	80B		WINDOW DISPLAY(B); PVC 1.8T(VI-778)	I S.N.
83	67614-688-219			83		INLAY-CONTROL:PVC TO.5(VI-778) S12	S.N
22	69898-688-734			122		REGULATOR ASSY: VI-770 GBW PAL HI-FI	101
30	66020-601-520		S.N.A			FRAME; HIPS 94HB	S.N
31	66612-681-710	BOTTOM-COVER:SECC TO.5 TOP-CABINET:HISH TO.85*580*375 G-8WH		131 134	66612-661-719	BOTTOM-COVER:SECC T0.5 TOP-CABINET:HISH T0.85*580*375 G-8WH	i
34 48	69882-683-884			140		ASSY-MAIN C:VX-770 PAL HI-FI AUDIO	İ
37	69857-603-887			137	69857-683-736	ASSY MAIN A:VI-770 PAL HI-FI VIDEO/10	1
38	69802-603-848			1 138	69882-683-879	MAIN B: VI-770 PAL HI-FI SYS/S/L	1
41		ASSY TUNER: PAL B/G. MTS. NEC TUNER	1 1	141		ASSY TUNER: PAL I MONO MEC TUNER.	1
42	66634-602-610			142		CLAMPER WIRE: PE BLK	!
43	66614-714-310			143	66614-714-310	BRKT-GUIDE TOP S;SPG T1.0	1
44	66114-668-716	BRKT PREAMP(VX-750); SECC 0.8T ASSY-FUNCTION/TIMER; MTS. VPS		144 151	66114-688-718 69871-683-281		1
51 66	66664-688-119		S.N.A			HINGE-MAIN PCB; NYLONG	S.N
72	64544-612-910			172	64544-612-910	PLATE GROUND JACK; SUS384 TO.1(SV-998D)	İ
73	64544-616-210			173		PLATE GROUND:SUS 304 TO.15(VX-770)	1
84	67154-181-448		1 1	184	67154-101-440		1
98	67158-248-121	SCREW BH:2-4*12 FE FZY		190		SCREW BH: 2-4-12 FE PZY	!
91	67158-249-188			191	67158-249-189	SCREW TAP PWH; 2-4*16 FE FZY	1
94	67158-240-103					SCREW-TAP BH;2S-4*10 FE FZY FULL DECK ASSY;D8-PHSB	1
		FULL DECK ASSY:D8-PH5B ASSY JOINT BOARD:PAL D8-PH5		209 278		ASSY JOINT BOARD; PAL D8-PHS	i
278 154	69812-603-818			454		ASSY-PRE AMP; 2 HEAD G-8W PAL HI-FI	i
501	66122-700-502			501	66122-708-562		1
533		FRONT-MASK; ACRYL(VX-778)		533	67642-601-192	FRONT-MASK: ACRYL(VX-770)	<u> </u>
		INSTRUMENT ASSEMBLY	VX-770			INSTRUMENT ASSEMBLY	VB-77
1	69888-183-883			1	69000-183-903	ASSY PANEL FRONT; VB-770 ABS 9488	S.N.
2	67601-606-510		,	2	67691-606-518 67624-629-710	! PANEL FRONT:ABS 94HB(VX-770)BLX KNOB DUMMY(A):ABS 94HB(VX-770)BLK	S.N.
184	67624-629-718 67623-628-718		S.N.A	# 19A # 19B		KNOB DUMMY(B): ABS 94HB(VX-778)NLK	S.N
10B 10C	67624-629-218		S.N.A		67624-629-210	KNOB DUMBLY(C); ABS 94HB(VX-778)1LK	I S.N
12	67624-629-410		S.N.A	12	67624-629-418	KNOB CHANNEL: ABS 94HB (VX-778) BLK	I S.N
13	67623-621-118	KNOB TIMER: ABS 94HB(VX-770)BLK	S.N.A	13	67623-621-110	KNUB TIMER; ABS 94HB(VX-770)BLK	S.N
16A	67623-628-818			16A		KNOB FUN(A);ABS 94HB(VX-770)BLLSII	S.N
16B		KNOB FUN(B); ABS 94HB(VX-770)BLK	I S.N.A			KNOB FUN(B):ABS 94HB(VX-778)BLI	I S.N
16C	67623-621-010		S.N.A			KNOB FUN(C):ABS 94HB(VX-770)BLX KNOB POWER:ABS 94HB(VX-770)BLX	S.N
19		KNOB POWER; ABS 94HB(VX-778)BLK	S.N.A			KNOB POWER, ABS 94HB(VX-770)BLK	S.N
27	67624-629-510	KNOB SLIDE(L):ABS 94HB(VX-770)BLK KNOB SLIDE(R):ABS 94HB(VX-770)BLK	S.N.A			KNOB SLIDE(R): ABS 94HB(VX-770) NLK	S.N
28 51	67642-988-418		S.N.A			ASSY-DOOR FRONT: VX-770 LCD OSD	S.N
72		INDICATOR POWER; VX-770 ACRYL (WHITE)	S.N.A		67654-617-610	INDICATOR POWER: VX-77# ACRYL(WITE)	S.N
88A -	67654-616-919	WINDOW DISPLAY(A); PVC 1.0T(VX-770)	S.N.A	88A	67654-616-918	WINDOW DISPLAY(A):PVC 1.8T(VX-778>	S.N
80B	67654-617-018	WINDOW DISPLAY(B); PVC 1.0T(VX-770)	S.N.A			WINDOW DISPLAY(B); PVC 1.8T(VX-778 >	S.N
83		INLAY-CONTROL; PVC TO.5(VX-778) SI2	S.N.A			INLAY-CONTROL; PVC T0.5(VX-770) SIZ	S.N
22		REGULATOR ASSY: VX-770 G8W PAL HI-FI		122		REGULATOR ASSY: VX-770 G8W PAL I-1F1 FRAME: HIPS 94HB	S.N
130		FRANE; HIPS 94HB	S.N.A	131		BOTTOM-COVER; SECC TO-5	1 3.8
131 134	0001Z-081-/18	BOTTOM-COVER:SECC TO.5 TOP-CABINET;HISH TO.85*588*375 G-8WH		11 134		TOP-CABINET:HISH TO 85*580*375 G-8WH	İ
40		ASSY-MAIN C: VX-770 PAL HI-FI AUDIO		149		ASSY-MAIN C:VX-770 PAL HI-FI ADIC	İ
37		ASSY MAIN A: VX-778 PAL HI-FI VIDEO/IO		137	69857-603-737	ASSY MAIN A: VX-770 PAL HI-FI VIDECO/IO	1
38	69802-603-070	ASSY-MAIN B; VX-778 HI-FI SYS/SER/LNR AL	ID	138		ASSY-MAIN B:VX-778 HI-FI SYS/SER/E NR AUG) l
41	69800-603-002	ASSY TUNER: PAL B/G. MTS. NEC TUNER	1 1	141		ASSY TUNER: PAL B/G. MTS. NEC TUNER	!
42		CLAMPER WIRE; PE BLK		142		CLAMPER WIRE: PE BLK	1
43		BRKT-GUIDE TOP S:SPG T1.0		143		BRKT-GUIDE TOP S;SPG T1.8 BRKT PREAMP(VX-758);SECC 0.8T	i
44		BRKT PREAMP(VX-750):SECC 0.8T ASSY-FUNCTION/TIMER;MTS		144 151		ASSY-FUNCTION/TIMER; MTS	i
151 169		HINGE-MAIN PCB:NYLON6	S.N.A			HINGE-MAIN PCB: NYLONG	S.N
72	64544-612-919	PLATE GROUND JACK; SUS304 T0.1(SV-990D)		172		PLATE GROUND JACK; SUS384 T8.1(%-5980)	1
173		PLATE GROUND:SUS 304 TO.15(VX-778)		173	64544-616-210	PLATE GROUND: SUS 384 T8.15(VX-78)	!
184		SCREW-TAP.PWH;2-3X18 FE FZY	1 1	184	67154-101-440	SCREW-TAP.PWH:2-3X18 FE FZY	1
	67158-240-121	SCREW BH:2-4*12 FE FZY	1 1	∦ 19 9	67158-248-121	SCREW BH: 2-4*12 FE FZY	!
90	67158-249-188	SCREW TAP PWH;2-4*16 FE FZY		191		SCREW TAP PWH;2-4*16 FE FZY	1
91	67158-248-183					SCREW-TAP BH; 2S-4*10 FE FZY	1
190 191 194			1	200		FULL DECK ASSY: D8-PH5B	1
91 94	69018-150-148	FULL DECK ASSY: D8-PH5B		11 276	CO866 266 165	LACCY MINT SUAPH-DAI NO DUC	1
91 194 200 278	69818-158-148 69888-288-185	ASSY JOINT BOARD: PAL D8-PH5	1 1	278 454		ASSY JOINT BOARD: PAL D8-PHS ASSY-PRE AMP: 2 HEAD G-8W PAL HI-F#	1
91 94 200 278 154	69818-158-148 69888-288-185 69812-683-618	ASSY JOINT BOARD; PAL D8-PH5 ASSY-PRE AMP; 2 HEAD G-8W PAL HI-FI	1 1	454	69812-603-016	ASSY-PRE AMP: 2 HEAD G-8W PAL HIFE	
91 94 96 78	69818-158-148 69888-288-185 69812-683-818 66122-788-582	ASSY JOINT BOARD: PAL D8-PH5	1 1		69812-603-010 66122-700-502		

6-2

LOCA - NO	PART-NUMBER	DESCRIPTION:SPECIFICATION	REMARK	LOCA-NO	PART-NUMBER	DESCRIPTION: SPECIFICATION	REMARK
	69000-280-105	ASSY JOINT BOARD: D8-PH5	ï	DS981		DIODE(B.D); RS 402L	1
	03444 204 (40			DS982	62169-403-851	DIODE(B.D):RS 482L	!
i	63885-886-578	PWB-DECK JOINT:94VB 1.6*231*189(VX-778)		F901		FUSE: SX20M/M T500MA 250V	1
- 1	63954-100-320			F902	64789-884-793	FUSE: 5X20M/M T2:5A 250V FUSE: 5X20M/M T2:5A 250V	i
ļ		WIRE-SO.COPPER:TA 0.6 SN SCREW-PH;+M3X5 FE FZY	S.N.A	FL901		LINE FILTER:SQ 2.2MH	i
1	67009-130-051		. "	1 IC901	62119-401-293	I.C;STK 7233	!
	66114-609-310	BRKT-JOINT PCB:SPG T1.2		1 IC902		IC:MC7885C SST	!
	67108-339-061			L903 R901		CHOKE COIL; MC~182 201M R-METAL OXIDE; 1/2W 2K-J	i
265		HEAT SINK-A: A20179 C-CERAMIC. HK: CK45F TAPG 0.1M-Z		R902		R-METAL OXIDE: IW 9.2-J	j
229	61417-189-211	C-ELECTROLYTIC .NP; CE84W TAPG 16V 18M		R902	61049-427-339	R-METAL OXIDE:RS 1P 0.33-J	!
234	61607-131-470	C-ELECTROLYTIC: CEMAN TAPG 6.3V 47M(RSS)	į į	R983	61648-177-471	R-METAL FILM; RM 1/8TS 470-J	!
C243	61607-402-230	C-ELECTROLYTIC: CED4W TAPG 50V 3.3M	, ,	R904	61948-177-194	R-METAL FILM; RM 1/8TS 100K-J R-METAL FILM; RM 1/8TS 15K-J	1
CN204	63349-662-590			R905 R906	61848~177~133 61848~177~562	R-METAL FILM; RM 1/8TS 5.6K-J	i
CN2 0 5 CN2 0 6 -	63349-062-620 63349-062-550		: 2	R967	61048-257-680	R-WETAL FILM: RM 1/4R 68-J	1
CN207	63349-862-528	CONNECTOR-WAFER: 5268-83A		R908		R-METAL FILM: RM 1/8TS 2.7K-J	1
CN288	63349-062-380			R999		R-METAL FILM: RM 1/4T 56-J	1
CN209	63349-862-539	CONNECTOR-WAFER; \$268-84A		R916 R911	61848-1//-184	R-METAL FILM;RM 1/8TS 100K-J R-METAL FILM;RM 1/4T 82-J	i
CN210	63349-662-311			R911 R912	61048-277-828	R-METAL FILM:RM 1/4T 82-J	i
CN211 CN212	63349-862-319 63349-862-558			R913	61048-177-473	R-METAL FILM; RM 1/8TS 47K-J	!
CN214	63349-962-569			R914	61848-177-681	R-METAL FILM:RM 1/8TS 680-J	!
ICI	62119-103-616		•	R915	61848-177-272	R-METAL FILM: RM 1/8TS 2.7K-J	
0204	62137-701-612	TRANSISTOR: KSR 1003 TAPG		R916	01#90~Z//~Z/# 62829~5m1=121	R-METAL FILM;RM 1/4T 27-J Transformer;E1 66X30 220V(17-23-893780-;	1 VX-770
Q2 6 7		TRANSISTOR:KSC 945-Y TAPG TRANSISTOR:KSA 733-Y TAPG		1901 1901	62829-581-127	TRANSFORMER: E1 66X30 240V 50 HZ	V1-778
Q2 9 8 Q2 9 9	62137-183-388 62137-183-388	TRANSISTOR: KSA 733-Y TAPG		11	1		1
Q218	62137-302-748	TRANSISTOR: KSC 945-Y TAPG	1 1	11	!		1
R238	61848-177-122	R-METAL FILM; RM 1/8TS 1.2K-J	!!!	 	l		
R239		R-METAL FILM;RW 1/8TS 1.8K-J R-METAL FILM;RW 1/8TS 8.2K-J		 	ASSY REMOTE CO	NTROL PARTS LIST	
R246 R241		R-METAL FILMIRM 1/815 0.2K-J R-METAL FILMIRM 1/8TS 100-J	,	ļ			
R241 R242		R-METAL FILM:RM 1/8TS 10K-J	1	11	69099-608-103	ASSY REMOCON: NOT USED OSD. USED VPS	:SVX-319
R243	61049-427-109	R-WETAL OXIDE:RS 1P 1.8-J	!	!!	69999-698-114	ASSY REMOCON: USED OSØ ASSY REMOCON: USED OSD	:VX-778
R244	61848-177-152	R-METAL FILM;RM 1/8TS 1.5K-J	1 -	# # # #	69699-688-114 69699-688-116	ASSY REMOCON: NOT USED OSD	:VB-778
R245		R-METAL FILM:RN 1/8TS 220-J R-METAL FILM:RN 1/8TS 470K-J			83633 860 110	Add indicate in the second sec	-
R246 R247		R-METAL FILM:RM 1/8TS 228K-J	i	ii	68623-600-510	BOX REMOCON: ART PAPER (PR845)	S.N.A
R248		R-METAL FILM:RM 1/8TS 398-J	1	11	66152-601-118	COVER BOTTOM REMOCON; ABS 94HB	S.N.A S.N.A
R249	1 61048-177-562	R-METAL FILM; RM 1/8TS 5.6K-J	•	11		COVER TOP REMOCON: ABS 94HB	
R249	1 61948-177-562	R-METAL FILM;RM 1/8TS 5.6K-J	İ	11	67644-608-618	DOOR BATTCRY: ABS 94HB	S.N.A
R249	1 61848-177-562	R-METAL FILM;RM 1/8TS 5.6K-J -	1		67644-600-610 66673-600-710 67614-608-930	DOOR BATTCRY:ABS 94HB GUIDER LCD;ABS 94HB INLAY REMOCON(A);PVC T1.8(VX-798)	S.N.A S.N.A S.N.A
R249	61848-177-562 	R-METAL FILM;RM 1/8TS 5.6K-J 		11	67644-600-610 66673-600-710 67614-608-930	DOOR BATTCRY:ABS 94HB GUIDER LCD:ABS 94HB INLAY REMOCON(A):PVC T1.8(VX-798) INLAY REMOCON(B):PVC T8.5(VX-778)	S.N.A S.N.A S.N.A VX-770
R249	61948-177-562				67644-688-618 66673-688-718 67614-688-938 67614-689-815 67614-689-888	DOOR BATTCRY:ABS 94HB GUIDER LCD;ABS 94HB INLAY REMOCON(A);PVC T1.0(VX-790) INLAY REMOCON(B);PVC T0.5(VX-770) INLAY REMOCON(B);PVC T0.5(VI-770)	S.N.A S.N.A S.N.A VX-770 VI-776
R249	ASSY REGULATOR	PARTS LIST			67644-600-610 66673-600-710 67614-600-930 67614-609-015 67614-609-880 66154-601-010	DOOR BATTCRY: ABS 94HB GUIDER LCD; ABS 94HB INLAY REMOCON(A); PVC T1.0(VX-790) INLAY REMOCON(B); PVC T0.5(VX-770) INLAY REMOCON(B); PVC T0.5(VI-770) KEY REMOCON(A); SILICON RUBBER	S.N.A S.N.A S.N.A VX-770 VI-770 S.N.A
R249	ASSY REGULATOR 69898-680-734	PARTS LIST REGULATOR ASSY: PAL HI-FI (SVX-319.VX-770	V8-778)		67644-608-618 66673-608-718 67614-608-938 67614-609-015 67614-609-088 66154-601-010 66152-601-215	DOOR BATTCRY:ABS 94HB UDIER LCD:ABS 94HB INLAY REMOCON(A):PVC T1.8(VX-790) INLAY REMOCON(B):PVC T0.5(VX-770) INLAY REMOCON(B):PVC T0.5(VI-770) KEY REMOCON(A):SILICON RUBBER KEY REMOCON(B):SILICON RUBBER(VX-770)	S.N.A S.N.A S.N.A VX-770 VI-776
R249	ASSY REGULATOR	PARTS LIST	VB-778) VI-778		67644-688-618 66673-688-718 67614-688-938 67614-689-815 67614-689-889 86154-691-018 66152-681-215 66152-681-288 52389-118-341	DOOR BATTCRY:ABS 94HB GUIDER LCD;ABS 94HB INLAY REMOCON(A);PVC T1.0(VX-790) INLAY REMOCON(B);PVC T0.5(VX-770) INLAY REMOCON(B);PVC T0.5(VI-770) KEY REMOCON(A);SILICON RUBBER KEY REMOCON(B);SILICON RUBBER(VX-770) KEY REMOCON(B);SILICON RUBBER(VX-770) LCD;HDL-7140	S.N.A S.N.A S.N.A VX-778 VI-778 S.N.A VX-770 VI-770
R249	ASSY REGULATOR 69898-688-734 69898-688-856	PARTS LIST REGULATOR ASSY: PAL HI-FI (SVX-319.VX-770 REGULATOR ASSY: VI-770 PAL HI-FI	VB-778) VI-778		67644-688-618 66673-688-718 67614-688-938 67614-689-815 67614-689-889 86154-691-018 66152-681-215 86152-681-288 62389-118-341 63885-886-874	DOOR BATTCRY:ABS 94HB GUIDER LCD;ABS 94HB INLAY REMOCON(A);PVC T1.0(VX-790) INLAY REMOCON(B);PVC T0.5(VX-770) INLAY REMOCON(B);PVC T0.5(VI-770) KEY REMOCON(A);SILICON RUBBER KEY REMOCON(B);SILICON RUBBER(VX-770) KEY REMOCON(B);SILICON RUBBER(VX-770) LCD;HDL-7140 PWB-REMOCON;FR4 154X56X1.6(T)	S.N.A S.N.A S.N.A VX-770 VI-770 S.N.A VX-770 VI-770
R249	ASSY REGULATOR 69898-688-734 69898-688-856	PARTS LIST REGULATOR ASSY: PAL HI-FI (SVX-319.VX-770. REGULATOR ASSY: VI-770 PAL HI-FI SWITCH: WK882 A88	VB-77®) VI~77®	# # # # # # # # # # # # # # # # # # #	67644-688-618 66673-688-718 67614-688-938 67614-689-988 66154-681-018 66152-681-215 66152-681-288 62389-118-341 63885-886-874 66673-688-518	DOOR BATTCRY: ABS 94HB UDIER LCD; ABS 94HB INLAY REMOCON(A); PVC T1.8(VX-790) INLAY REMOCON(B); PVC T0.5(VX-770) INLAY REMOCON(B); PVC T0.5(VI-770) KEY REMOCON(A); SILICON RUBBER KEY REMOCON(B); SILICON RUBBER(VX-770) KEY REMOCON(B); SILICON RUBBER(VX-770) LCD; HDL-7140 PWB-REMOCON; FR4 154X56X1.6(T) SPRING (B) REMOCON; SUS 304 T0.4	S.N.A S.N.A S.N.A VX-778 VI-778 S.N.A VX-770 S.N.A S.N.A
R249	ASSY REGULATOR 69898-688-734 69898-688-856 1 63599-814-847 1 63853-213-394	PARTS LIST REGULATOR ASSY: PAL HI-FI(SVX-319.VX-770. REGULATOR ASSY: VI-770 PAL HI-FI SWITCH: WKA92 A80 WIRE: 600V 100AY RED	VB-77®) VI~77®		67644-688-618 66673-688-718 67614-688-938 67614-689-815 67614-689-888 86154-601-018 66152-601-215 66152-601-228 62399-118-341 63895-886-874 66673-688-518 66673-688-518	DOOR BATTCRY:ABS 94HB GUIDER LCD:ABS 94HB INLAY REMOCON(A):PVC T1.8(VX-790) INLAY REMOCON(B):PVC T0.5(VX-770) INLAY REMOCON(B):PVC T0.5(VI-770) KEY REMOCON(A):SILICON RUBBER KEY REMOCON(B):SILICON RUBBER(VX-770) KEY REMOCON(B):SILICON RUBBER(VX-770) LCD:HOL-7140 PWB-REMOCON:FR4 154X56X1.6(T) SPRING (B) REMOCON:SUS 304 T0.4 SPRING A1:PBR 2-1/4 T0.5	S.N.A S.N.A S.N.A VX-778 VI-778 S.N.A VX-770 VI-770 S.N.A S.N.A S.N.A
R249	ASSY REGULATOR 69998-688-734 69998-688-856 63599-814-847 63853-213-394 68824-688-618	PARTS LIST REGULATOR ASSY: PAL HI-FI (SVX-319.VX-770. REGULATOR ASSY: VI-770 PAL HI-FI SWITCH: WK882 A88 WIRE: 600V 100AY RED I TIE BAND: NYLON 616.100	VB-77®) VI-77®		67644-688-618 66673-688-718 67614-689-938 67614-689-988 66154-681-918 66152-681-215 66152-681-288 62389-118-341 63885-886-874 66673-688-518 66674-625-718 67654-618-118	DOOR BATTCRY: ABS 94HB UDOR LCD; ABS 94HB UNLAY REMOCON(A): PVC T1.8(VX-790) INLAY REMOCON(A): PVC T0.5(VX-770) INLAY REMOCON(B): PVC T0.5(VI-770) KEY REMOCON(A): SILICON RUBBER (VX-770) KEY REMOCON(B): SILICON RUBBER (VX-770) KEY REMOCON(B): SILICON RUBBER (VX-770) KEY REMOCON(B): SILICON RUBBER (VX-770) KEY REMOCON: FR4 154X56X1.6(T) SPRING (B) REMOCON: SUS 304 T0.4 SPRING A1: PBR 2-1/4 T0.5 WINDOW REMOCON: ACRYL VIOLET	S.N.A S.N.A S.N.A VX-778 VI-778 S.N.A VX-770 S.N.A S.N.A
R249	ASSY REGULATOR 69898-688-734 69898-688-856 63599-814-847 53853-213-394 66824-688-618 53805-886-84	PARTS LIST REGULATOR ASSY: PAL HI-FI (SVX-319.VX-770. REGULATOR ASSY: VI-770 PAL HI-FI SWITCH: WK892 A88	VB-778) VI-778		67644-688-618 66673-688-718 67614-688-938 67614-689-818 66154-681-018 66152-681-218 66152-681-218 6623-681-218 66673-688-874 66673-688-518 66674-625-618 66674-625-718	DOOR BATTCRY:ABS 94HB GUIDER LDD;ABS 94HB INLAY REMOCON(A):PVC T1.8(VX-790) INLAY REMOCON(B):PVC T0.5(VX-770) INLAY REMOCON(B):PVC T0.5(VX-770) KEY REMOCON(B):PVC T0.5(VI-770) KEY REMOCON(B):SILICON RUBBER (VX-770) KEY REMOCON(B):SILICON RUBBER(VX-770) LCD:HDL-7140 PWB-REMOCON:FR4 154X56X1.6(T) SPRING (B) REMOCON:SUS 300 T0.4 SPRING A1:PBR 2-1/4 T0.5 SPRING A2:PBR 2-1/4 T0.5 WINDOW REMOCON:ACRYL VIOLET C-ELECTROLYTIC:CE00W 50V IM(SE)	S.N.A S.N.A S.N.A VX-778 VI-778 S.N.A VX-770 VI-770 S.N.A S.N.A S.N.A
R249	ASSY REGULATOR 69898-688-734 69898-688-856 63599-614-847 63853-213-394 66824-688-618 63685-886-841 66614-881-511 66614-881-511	PARTS LIST REGULATOR ASSY: PAL HI-FI(SVX-319.VX-770. REGULATOR ASSY: VI-770 PAL HI-FI SWITCH: WKA92 A80 WIRE: 600V 100AY RED I TIE BAND: NYLON 616.100 PWB-REG: XPC-FRI 245X75X1.6(T) VX-770 BRAKT: A1050P H14 BRAKT AC: SBNG 1A	VB-778) VI-770	### ### ### ##########################	67644-688-618 66673-688-718 67614-688-938 67614-689-889 66154-601-018 66152-601-215 66152-601-228 62399-118-341 63895-886-874 66673-688-518 66674-625-618 66674-625-718 67654-618-118 67654-618-118 61691-482-188	DOOR BATTCRY:ABS 94HB GUIDER LCD:ABS 94HB INLAY REMOCON(A):PVC T1.8(VX-790) INLAY REMOCON(A):PVC T0.5(VX-770) INLAY REMOCON(B):PVC T0.5(VX-770) INLAY REMOCON(B):PVC T0.5(VI-770) KEY REMOCON(B):SILICON RUBBER KEY REMOCON(B):SILICON RUBBER(VX-770) KEY REMOCON(B):SILICON RUBBER(VX-770) LCD:HOL-7140 PWB-REMOCON:FR4 154X56X1.6(T) SPRING (B) REMOCON:SUS 304 T0.4 SPRING A1:PBR 2-1/4 T0.5 SPRING A2:PBR 2-1/4 T0.5 WINDOW REMOCON:ACRYL VIOLET C-ELECTROLYTIC:GE04W 50V 1M(SE) C-CERANIC HX:CK4S B TAPG 500V 220-K	S.N.A S.N.A S.N.A VX-778 VI-778 S.N.A VX-770 VI-770 S.N.A S.N.A S.N.A
R249	ASSY REGULATOR 69898-688-734 69898-688-856 63599-614-847 63853-213-394 66824-688-618 63865-86-841 66614-881-511 66614-881-511 66614-881-511	PARTS LIST REGULATOR ASSY: PAL HI-FI(SVX-319.VX-770. REGULATOR ASSY: VI-770 PAL HI-FI SWITCH: WK802 A80 WIRE: 600V 100AY RED TIE BAND: NYLON 616.100 PWB-REG: XPC-FRI 245X75X1.6(T) VX-770 BRAKT: A1050P H14 BRAKT AC: SBMG 1A FERRITE BEED: 3.5X6X1.2H	VB-77®) VI-77®	11	67644-688-618 66673-688-718 67614-688-938 67614-689-889 66154-691-918 66152-691-215 66152-691-228 62399-110-341 63895-886-874 66673-698-518 66674-625-618 66674-625-618 67654-618-118 61417-118-224	DOOR BATTCRY: ABS 94HB GUIDER LCD: ABS 94HB INLAY REMOCON(A): PVC T1.0(VX-790) INLAY REMOCON(B): PVC T0.5(VX-770) INLAY REMOCON(B): PVC T0.5(VX-770) KEY REMOCON(A): SILICON RUBBER (VX-770) KEY REMOCON(B): SILICON RUBBER (VX-770) KEY REMOCON(B): SILICON RUBBER (VX-770) LCD: HDL-7140 PWD-REMOCON: FR4 154X56X1.6(T) SPRING (B) REMOCON: SUS 304 T0.4 SPRING (B) REMOCON: SUS 304 T0.4 SPRING A1: PBR 2-1/4 T0.5 WINDOW REMOCON: ACRYL VIOLET C-ELECTROLYTIC: CE04W 50V IM(SE) C-CERAMIC HK: CK45 B TAPG 500V 220-K	S.N.A S.N.A S.N.A VX-778 VX-778 VX-776 VI-770 S.N.A S.N.A S.N.A
	ASSY REGULATOR 69998-600-856 63599-614-647 63853-213-394 66824-600-610 63005-906-841 66614-901-512 62429-114-441 61469-902-910	PARTS LIST REGULATOR ASSY: PAL HI-FI (SVX-319.VX-770. REGULATOR ASSY: VI-770 PAL HI-FI SWITCH: WK602 A80 WIRE: 500V 100AV RED I TIE BAND: NYLON 616.100 PWB-REG: XPC-FRI 245X75X1.6(T) VX-776 BRAKT: A1050P H14 BRAKT AC: SBMG 1A FERRITE BEED: 3.5X6X1.2H C-CERAWIC DISK: CS17-E2GA 472 MYAS	VB-77®) VI-77®	## ## ## ## ## ## ## ## ## ## ## ## ##	67644-688-618 66673-688-718 67614-689-938 67614-689-988 66154-681-918 66152-681-215 66152-681-288 62389-118-341 63865-886-874 66673-688-518 66674-625-718 67654-618-118 61689-482-188 61417-118-224 61417-118-224	DOOR BATTCRY: ABS 94HB UDOR LCD; ABS 94HB INLAY REMOCON(A): PVC T1.8(VX-790) INLAY REMOCON(A): PVC T0.5(VX-770) INLAY REMOCON(B): PVC T0.5(VX-770) INLAY REMOCON(B): PVC T0.5(VX-770) KEY REMOCON(A): SILICON RUBBER (VX-770) KEY REMOCON(B): SILICON RUBBER (VX-770) KEY REMOCON(B): SILICON RUBBER (VX-770) KEY REMOCON(B): SILICON RUBBER (VX-770) KEY REMOCON: FR4 154X56X1.6(T) SPRING (B) REMOCON: SUS 304 T0.4 SPRING A1: PBR 2-1/4 T0.5 WINDOW REMOCON: ACRYL VIOLET C-ELECTROLYTIC: CE04W S0V 1M(SE) C-CERAMIC HX: CK45 B TAPG 500V 220-K C-CERAMIC HX: CK45 B TAPG 500V 220-K DIODE: 1N4148 SAMSUNG	S.N.A S.N.A S.N.A VX-778 VI-778 S.N.A VX-770 VI-770 S.N.A S.N.A S.N.A
C981	ASSY REGULATOR 69998-688-856 63599-814-847 63853-213-394 66824-688-618 63805-886-841 66614-881-511 66614-881-512 62429-814-441 61469-882-488	PARTS LIST REGULATOR ASSY:PAL HI-FI(SVX-319.VX-770. REGULATOR ASSY:VI-770 PAL HI-FI SWITCH:WK802 A80 WIRE:600V 100AV RED TIE BAND:NYLON 616.100 PWB-REG:XPC-FRI 245X75X1.6(T) VX-776 BRAKT:A1950P H14 BRAKT AC:SBHG 1A FERRITE BEED:3.5XGX1.2H C-CERAMIC DISK:CS17-E2GA 472 MYAS C-ELECTROLYTIC:CE04W 35V 4700M(S)	VB-77®) VI-77®	11	67644-688-618 66673-688-718 67614-688-938 67614-689-815 67614-689-815 66154-601-018 66152-601-215 66152-601-280 62399-118-341 63895-886-874 66673-698-518 66673-698-518 66674-625-618 66674-625-718 67654-618-118 61699-492-188 61417-118-224 62169-486-482 62399-112-836 62119-181-661	DOOR BATTCRY:ABS 94HB GUIDER LDD:ABS 94HB INLAY REMOCON(A):PVC T1.8(VX-790) INLAY REMOCON(A):PVC T0.5(VX-770) INLAY REMOCON(B):PVC T0.5(VX-770) INLAY REMOCON(B):PVC T0.5(VX-770) KEY REMOCON(B):SILICON RUBBER KEY REMOCON(B):SILICON RUBBER(VX-770) KEY REMOCON(B):SILICON RUBBER(VX-770) LCD:HDL-7140 PWB-REMOCON:FR4 154X56X1.6(T) SPRING (B) REMOCON:SUS 304 T0.4 SPRING A1:PBR 2-1/4 T0.5 SPRING A1:PBR 2-1/4 T0.5 WINDOW REMOCON:ACRYL VIOLET C-ELECTROLYTIC:CE04W 50V IM(SE) C-CERAMIC HK:CK45 B TAPG 500V 220-K DIODE:IN4148 SAMSUNG LED-IR:CL2 IC:MS0930-124FP	S.N.A S.N.A S.N.A VX-778 VX-778 VX-776 VI-770 S.N.A S.N.A S.N.A
C981 C982 C983	ASSY REGULATOR 69898-688-734 69898-688-856 63599-614-847 53853-213-394 56824-688-618 53865-886-84 66614-881-511 66614-881-512 62429-614-441 61669-582-818 61689-141-475	PARTS LIST REGULATOR ASSY: PAL HI-FI(SVX-319.VX-770. REGULATOR ASSY: VI-770 PAL HI-FI SWITCH: WK882 A88 WIRE: GROV 188AY RED TIE BAND: NYLON 616.188 PWB-REG: XPC-FRI 245X75X1.6(T) VX-778 BRAKT: A1950P H14 BRAKT AC: SBMG 1A FERRITE BEED: 3.5X6X1.2H C-CERANIC DISK: CS17-E2GA 472 MYAS C-ELECTROLYTIC: CE04W 35V 4780M(S) C-ELECTROLYTIC: CE04W 16V 4780M	VB-778) VI-770	## ## ## C3 H# C4 H# C5 H# D9 H# D42	67644-688-618 66673-688-718 67614-689-938 67614-689-988 66154-681-218 66152-681-218 66152-681-288 62389-118-341 63895-886-874 66673-688-518 66674-625-718 67654-618-118 61689-482-188 61417-118-224 61417-118-224 62189-486-482 62389-112-836 62119-181-661 62139-181-661	DOOR BATTCRY: ABS 94HB UDOR LCD; ABS 94HB INLAY REMOCON(A): PVC T1.8(VX-790) INLAY REMOCON(A): PVC T0.5(VX-770) INLAY REMOCON(B): PVC T0.5(VX-770) INLAY REMOCON(B): PVC T0.5(VI-770) KEY REMOCON(B): SILICON RUBBER (VX-770) KEY REMOCON(B): SILICON RUBBER (VX-770) KEY REMOCON(B): SILICON RUBBER (VX-770) LCD; HDL-7140 PWB-REMOCON: FR4 154X56X1.6(T) SPRING A: PBR 2-1/4 T0.5 SPRING A: PBR 2-1/4 T0.5 WINDOW REMOCON: ACRYL VIOLET C-ELECTROLYTIC: CE04W S0V IM(SE) C-CERAMIC HK: CK45 B TAPG 500V 220-K DIODE: IN4148 SAMSUNG LED-IR: CL2 IC: MS0930-124FP TRANSISTOR: KSA733-Y SAMSUNG	S.N.A S.N.A S.N.A VX-778 VX-778 S.N.A VX-770 VI-770 S.N.A S.N.A S.N.A
C981 C982 C983 C984	ASSY REGULATOR 69998-688-734 69998-688-856 63599-614-847 63853-213-394 66824-688-618 63805-986-841 66614-881-511 66614-881-511 62429-614-441 61609-482-448 61609-481-468	PARTS LIST REGULATOR ASSY: PAL HI-FI (SVX-319.VX-770. REGULATOR ASSY: VI-770 PAL HI-FI SWITCH: WK802 A80 WIRE: 600V 100AV RED TIE BAND: NYLON 616.100 PWB-REG: XPC-FRI 245X75X1.6(T) VX-776 BRAKT: A1950P H14 BRAKT AC: SBHG 1A FERRITE BEED: 3.5X6X1.2H C-CERAMIC DISK: CS17-E2GA 472 MYAS C-ELECTROLYTIC: CE04W 35V 4700M(S) C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-CERAMIC. HK: CK45 B 58V 9.81M-K	VB-77®) VI-77®	## ## ## ## ## ## ## ## ## ## ## ## ##	67644-688-618 66673-688-718 87614-688-938 67614-689-889 66154-681-915 66152-681-215 66152-681-288 62369-118-341 63865-886-874 66673-688-518 66674-625-718 66674-625-718 67654-618-118 61689-482-188 61417-118-224 61417-118-224 62169-486-482 62389-112-836 62139-181-661 62139-181-661 62139-181-661 62139-382-741	DOOR BATTCRY: ABS 94HB GUIDER LD; ABS 94HB GUIDER LD; ABS 94HB INLAY REMOCON(A): PVC T1.8(VX-790) INLAY REMOCON(A): PVC T0.5(VX-770) INLAY REMOCON(B): PVC T0.5(VX-770) KEY REMOCON(B): SILICON RUBBER KEY REMOCON(B): SILICON RUBBER(VX-770) KEY REMOCON(B): SILICON RUBBER(VX-770) LCD: HOL-7140 PWB-REMOCON: FR4 154X56X1.6(T) SPRING (B) REMOCON: SUS 304 T0.4 SPRING AI: PBR 2-1/4 T0.5 SPRING AI: PBR 2-1/4 T0.5 WINDOW REMOCON: ACRYL VIOLET C-ELECTROLYTIC: CE04W 50V 1M(SE) C-CERAMIC HK: CK45 B TAPG 500V 220-K DIODE: 1N4148 SAMSUNG LED-IR: CL2 IC: MS0030-124FP TRANSISTOR: KSA733-Y SAMSUNG TRANSISTOR: KSA733-Y SAMSUNG	S.N.A S.N.A S.N.A VX-770 VX-770 S.N.A VX-770 VI-770 S.N.A S.N.A S.N.A
C981 C982 C983 C984 C985 C988	ASSY REGULATOR 69898-688-856 63599-618-856 63599-618-841 636824-688-618 636814-68-618 636814-68-512 62429-614-441 61669-482-448 61669-482-488 61689-481-468 61619-194-318 61689-481-468	PARTS LIST REGULATOR ASSY: PAL HI-FI(SVX-319.VX-770. REGULATOR ASSY: VI-770 PAL HI-FI SWITCH: WKA92 A80 WIRE: 600V 100AY RED TIE BAND: NYLON 616.100 PWB-REG: XPC-FRI 245X75X1.6(T) VX-776 BRAKT: A1950P H14 BRAKT AC: SBHG 1A FERRITE BEED: 3.5X5X1.2H C-CELECTROLYTIC: CE04W 35V 4700M(S) C-ELECTROLYTIC: CE04W 16V 470 C-CELECTROLYTIC: CE04W 16V 470	VB-77®) VI-77®	## ## ## ## ## ## ## ## ## ## ## ## ##	67644-688-618 66673-688-718 67614-688-938 67614-689-918 67614-689-889 66154-681-918 66152-681-288 62389-118-341 63895-886-874 66673-688-518 66674-625-618 674-625-618 674-62	DOOR BATTCRY:ABS 94HB GUIDER LDD;ABS 94HB GUIDER LDD;ABS 94HB INLAY REMOCON(A):PVC T1.8(VX-790) INLAY REMOCON(A):PVC T0.5(VX-770) INLAY REMOCON(B):PVC T0.5(VX-770) INLAY REMOCON(B):PVC T0.5(VX-770) KEY REMOCON(B):SILICON RUBBER (VX-770) KEY REMOCON(B):SILICON RUBBER(VX-770) LCD:HDL-7140 PWB-REMOCON:FR4 154X56X1.8(T) SPRING A1:PBR 2-1/4 T0.5 SPRING A1:PBR 2-1/4 T0.5 SPRING A1:PBR 2-1/4 T0.5 SPRING A1:PBR 2-1/4 T0.5 SPRING A1:PBR 2-1/4 T0.5 C-CERAMIC HK:CK45 B TAPG 500V 220-K C-CERAMIC HK:CK45 B TAPG 500V 220-K LCD-IR:CL2 IC:MS0930-124FP TRANSISTOR:KS0743-Y SAMSUNG TANSISTOR:KS0945-Y SAMSUNG TRANSISTOR:KS0945-Y SAMSUNG R-METAL FILM:RM 1/8TS 100K-J	S.N.A S.N.A S.N.A VX-770 VX-770 S.N.A VX-770 VI-770 S.N.A S.N.A S.N.A
C981 C982 C983 C984 C985 C988	ASSY REGULATOR 69898-688-734 69898-688-856 63599-614-847 63853-213-394 66824-688-618 63805-886-84 66614-881-511 66614-881-512 62429-114-441 61469-582-818 61689-482-448 61689-482-448 61689-482-448 61689-482-248	PARTS LIST REGULATOR ASSY:PAL HI-FI(SVX-319.VX-770. REGULATOR ASSY:VI-770 PAL HI-FI SWITCH:WK802 A80 WIRE:G00V 100AY RED TIE BAND:NYLON 616.100 PWB-REG:XPC-FRI 245X75X1.6(T) VX-770 BRAKT:A1850P H14 BRAKT AC:SBHG IA FERRITE BEED:3.5X6X1.2H C-CERAMIC DISK:CS17-E2GA 472 MYAS C-ELECTROLYTIC:CE04W 35V 4700M(S) C-ELECTROLYTIC:CE04W 16V 470M C-ELECTROLYTIC:CE04W 16V 470M C-ELECTROLYTIC:CE04W 16V 470M C-ELECTROLYTIC:CE04W 16V 470M C-ELECTROLYTIC:CE04W 16V 470M C-ELECTROLYTIC:CE04W TAPG 25V 470M	VB-77®) VI-77® I S.N.A	## ## ## C3 ## C4 ## C5 ## D9 DL2 ## I C1 ## Q1	67644-688-618 66673-688-718 67614-689-988 67614-689-988 66154-681-215 66152-681-215 66152-681-288 62389-118-341 63895-886-874 66673-688-518 66674-625-718 67654-618-118 61617-118-224 61417-118-224 62149-188-179-186 62139-183-381 62139-183-381 62139-183-381 62139-382-741 61848-177-184	DOOR BATTCRY: ABS 94HB INLAY REMOCON(A): PVC T1.8(VX-790) INLAY REMOCON(A): PVC T0.5(VX-770) INLAY REMOCON(B): PVC T0.5(VX-770) INLAY REMOCON(B): SILICON RUBBER KEY REMOCON(B): SILICON RUBBER(VX-770) KEY REMOCON(B): SILICON RUBBER(VX-770) KEY REMOCON(B): SILICON RUBBER(VX-770) KEY REMOCON(B): SILICON RUBBER(VX-770) KEY REMOCON: FR4 154X56X1.6(T) SPRING (B) REMOCON: SUS 304 T0.4 SPRING AI: PBR 2-1/4 T0.5 WINDOW REMOCON: ACRYL VIOLET C-ELECTROLYTIC: CE04W 50V IM(SE) C-CERAMIC HK: CK45 B TAPG 500V 220-K DIODE: IN4148 SAMSUNG LED-IR: CL2 IC: MS9030-124FP TRANSISTOR: KSC945-Y SAMSUNG TRANSISTOR: KSC945-Y SAMSUNG TR-METAL FILM: RM 1/8TS 100K-J R-METAL FILM: RM 1/8TS 1M-J	S.N.A S.N.A S.N.A VX-770 VX-770 S.N.A VX-770 VI-770 S.N.A S.N.A S.N.A
C981 C982 C983 C984 C985 C988 C988 C988	ASSY REGULATOR 69898-688-734 69898-688-856 63599-614-847 53853-213-394 66824-688-618 63885-888-618 66614-881-511 66614-881-512 62429-614-441 61669-482-448 61689-141-475 61689-481-461 61687-122-471 61687-122-471 61687-122-471	PARTS LIST REGULATOR ASSY: PAL HI-FI (SVX-319.VX-770. REGULATOR ASSY: VI-770 PAL HI-FI SWITCH: WK882 A88 WIRE: GROV 188AY RED TIE BAND: NYLON 616.188 PWB-REG: XPC-FRI 245X75X1.6(T) VX-778 BRAKT: A1958P H14 BRAKT AC: SBMG 1A FERRITE BEED: 3.5X6X1.2H C-CERAMIC DISK: CS17-E2GA 472 MYAS C-ELECTROLYTIC: CE04W 35V 4780M(S) C-ELECTROLYTIC: CE04W 16V 470M C-CERAMIC. HK: CK45 B 58V 8.81M-K C-ELECTROLYTIC: CE04W TAPG 25V 47M C-ELECTROLYTIC: CE04W TAPG 25V 47M C-ELECTROLYTIC: CE04W TAPG 25V 47M C-ELECTROLYTIC: CE04W TAPG 25V 47M C-ELECTROLYTIC: CE04W TAPG 25V 47M C-ELECTROLYTIC: CE04W TAPG 25V 47M	VB-77®) VI-77®	## ## ## ## ## ## ## ## ## ## ## ## ##	67644-600-610 66673-600-710 87614-608-930 67614-609-015 67614-609-080 66152-601-215 66152-601-215 66152-601-280 62309-110-341 63095-006-510 66673-600-510 66674-625-610 66674-625-610 67654-618-110 61609-402-100 61417-110-224 61417-110-224 61417-110-224 62169-406-482 62309-112-036 62139-106-610 62139-103-331 62139-103-741 61048-177-106 61048-177-106	DOOR BATTCRY: ABS 94HB GUIDER LCD; ABS 94HB GUIDER LCD; ABS 94HB INLAY REMOCON(A); PVC T1.8(VX-790) INLAY REMOCON(A); PVC T0.5(VX-770) INLAY REMOCON(B); PVC T0.5(VX-770) INLAY REMOCON(B); PVC T0.5(VX-770) KEY REMOCON(B); SILICON RUBBER (VX-770) KEY REMOCON(B); SILICON RUBBER (VX-770) LCD; HDL-7140 PWB-REMOCON; FR4 154X56X1.6(T) SPRING (B) REMOCON; SUS 304 T0.4 SPRING A1; PBR 2-1/4 T0.5 SPRING A1; PBR 2-1/4 T0.5 SPRING A1; PBR 2-1/4 T0.5 SPRING A1; PBR 2-1/4 T0.5 WINDOW REMOCON; ACRYL VIOLET C-ELECTROLYTIC; CE04W 50V 1M(SE) C-CERAMIC HK; CK45 B TAPG 500V 220-K C-CERAMIC HK; CK45 B TAPG 500V 220-K C-CERAMIC HK; CK45 B TAPG 500V 220-K DIODE; 1M4148 SAMSUNG LED-IR; CL2 IC; MS0030-124FP TRANSISTOR; KSA733-Y SAMSUNG TRANSISTOR; KSA733-Y SAMSUNG R-METAL FILM; RM 1/8TS 100K-J R-METAL FILM; RM 1/8TS 100K-J R-METAL FILM; RM 1/8TS 100K-J R-METAL FILM; RM 1/8TS 100K-J	S.N.A S.N.A S.N.A VX-770 VI-770 S.N.A VX-770 VI-770 S.N.A S.N.A
C981 C982 C983 C984 C985 C988 C988 C918	ASSY REGULATOR 69998-688-734 69998-688-856 63599-614-847 63853-213-394 66824-688-618 63805-986-841 66614-881-511 66614-881-511 626249-618-441 61689-482-448 61689-481-468 61689-481-468 6149-7-122-471 61687-122-471 61689-483-998	PARTS LIST REGULATOR ASSY: PAL HI-FI (SVX-319.VX-770. REGULATOR ASSY: VI-770 PAL HI-FI SWITCH: WK802 A80 WIRE: 600V 100AY RED TIE BAND: NYLON 616.100 PWB-REG: XPC-FRI 245X75X1.6(T) VX-776 BRAKT: A1950P H14 BRAKT AC: SBHG 1A FERRITE BEED: 3.5X6X1.2H C-CELACHIC DISK: CS17-E2GA 472 MYAS C-ELECTROLYTIC: CE04W 35V 4700M(S) C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 270M C-ELECTROLYTIC: CE04W 16V 270M C-ELECTROLYTIC: CE04W 16V 270M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 100V 470M C-ELECTROLYTIC: CE04W 100V 470M	VB-77®) VI-77®	## ## ## ## ## ## ## ## ## ## ## ## ##	67644-688-618 66673-688-718 67614-688-938 67614-689-918 67614-689-015 67614-689-015 66152-681-218 66152-681-288 62389-118-341 63895-886-874 66673-688-518 66674-625-618 674-625-618 674-625-618 674-625-618 674-625-118 67634-618-119 67654-618-119 67664-119 67664-618-119 67664-618-119 67664-618-119 67664-61	DOOR BATTCRY:ABS 94HB GUIDER LDD;ABS 94HB GUIDER LDD;ABS 94HB INLAY REMOCON(A):PVC T1.8(VX-790) INLAY REMOCON(A):PVC T0.5(VX-770) INLAY REMOCON(B):PVC T0.5(VX-770) INLAY REMOCON(B):PVC T0.5(VX-770) KEY REMOCON(B):SILICON RUBBER (VX-770) KEY REMOCON(B):SILICON RUBBER(VX-770) LCD:HDL-7140 PWB-REMOCON:FR4 154X56X1.8(T) SPRING A1:PBR 2-1/4 T0.5 SPRING A1:PBR 2-1/4 T0.5 SPRING A1:PBR 2-1/4 T0.5 SPRING A1:PBR 2-1/4 T0.5 SPRING A1:PBR 2-1/4 T0.5 C-CERAMIC HK:CK45 B TAPG 500V 220-K C-CERAMIC HK:CK45 B TAPG 500V 220-K C-CERAMIC HK:CK45 B TAPG 500V 220-K LCD-IR:CL2 IC:MS0930-124FP TRAMSISTOR:KSC945-Y SAMSUMG R-METAL FILM:RM 1/8TS 1M-J R-METAL FILM:RM 1/8TS 100K-J	S.N.A S.N.A S.N.A VX-770 VI-770 S.N.A VX-770 VI-770 S.N.A S.N.A
C981 C982 C983 C985 C985 C988 C918 C911 C911	ASSY REGULATOR 69898-688-734 69898-688-856 63599-614-847 63853-213-394 66824-688-618 63865-886-814 66614-881-511 66614-881-512 62429-814-441 61669-482-448 61689-141-475 61689-481-461 61687-122-471 61687-122-471 61689-483-898 61419-184-318 61689-483-898	PARTS LIST REGULATOR ASSY: PAL HI-FI (SVX-319.VX-770. REGULATOR ASSY: VI-770 PAL HI-FI SWITCH: WK892 A88 WIRE: GBOV 198AY RED TIE BAND: NYLON 616.100 PWB-REG: XPC-FRI 245X75X1.6(T) VX-778 BRAKT AC: SBMG 1A FERRITE BEED: 3.5X6X1.2H C-CERANIC DISK: CS17-E2GA 472 MYAS C-ELECTROLYTIC: CE04W 35V 4700M(S) C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 47M C-ELECTROLYTIC: CE04W 16V 47M C-ELECTROLYTIC: CE04W 16V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M	VB-77®) VI-77®	### ### C3 ### C4 ### C5 ### Q1 ### Q2 ### Q1 ### Q2 ### Q1 ### Q2 ### R14 ### R16	67644-688-618 66673-688-718 67614-689-938 67614-689-988 66154-601-019 66152-601-219 66152-601-218 66152-601-280 62389-110-341 63895-886-874 66673-680-518 66674-625-718 67654-618-119 61417-118-224 61417-119-224 61417-119-244 62169-486-482 62389-112-836 62139-180-681 62139-180-381 62139-180-381 62139-180-381 61848-177-184 61848-177-194 61848-177-194 61848-177-194	DOOR BATTCRY: ABS 94HB INLAY REMOCON(A): PVC T1.8(VX-790) INLAY REMOCON(A): PVC T0.5(VX-770) INLAY REMOCON(B): PVC T0.5(VX-770) INLAY REMOCON(B): PVC T0.5(VX-770) INLAY REMOCON(B): PVC T0.5(VX-770) KEY REMOCON(B): SILICON RUBBER (VX-770) KEY REMOCON: FR4 154X56X1.6(T) SPRING A1: PBR 2-1/4 T0.5 SPRING A1: PBR 2-1/4 T0.5 WINDOW REMOCON: ACRYL VIOLET C-ELECTROLYTIC: CE04W S0V 1M(SE) C-CERAMIC HK: CK45 B TAPG 500V 220-K DIODE: IN4148 SAMSUNG LED-IR: CL2 IC: MS0930-124FP TRANSISTOR: KSC945-Y SAMSUNG TRANSISTOR: KSC945-Y SAMSUNG TRANSISTOR: KSC945-Y SAMSUNG R-METAL FILM: RM 1/8TS 100K-J R-METAL FILM: RM 1/8TS 15K-J R-METAL FILM: RM 1/8TS 100K-J R-METAL FILM: RM 1/8TS 100K-J R-METAL FILM: RM 1/8TS 180K-J R-METAL FILM: RM 1/8TS 18K-J	S.N.A S.N.A S.N.A VX-770 VX-770 S.N.A VX-770 VI-770 S.N.A S.N.A S.N.A
C981 C982 C983 C984 C985 C989 C918 C911 C912 C912	ASSY REGULATOR 69998-688-734 69998-688-856 63599-614-847 63853-213-394 66824-688-618 63865-986-841 66614-881-511 66614-881-512 62429-614-441 61669-882-818 61689-141-475 61689-481-468 61419-184-318 61689-83-999 61419-184-318 61689-83-999 61689-83-998	PARTS LIST REGULATOR ASSY: PAL HI-FI (SVX-319.VX-770. REGULATOR ASSY: VI-770 PAL HI-FI SWITCH: WK882 A88 WHRE: 680V 188AY RED ITIE BAND: NYLON 616.180 PWB-REG: XPC-FRI 245X75X1.6(T) VX-778 BRAKT: A1958P H14 BRAKT AC: SBMG 1A FERRITE BEED: 3.5X6X1.2H C-CERAMIC DISK: CS17-E2GA 472 MYAS C-ELECTROLYTIC: CE04W 35V 4780M(S) C-ELECTROLYTIC: CE04W 16V 478M C-ELECTROLYTIC: CE04W 16V 47M C-ELECTROLYTIC: CE04W 16V 47M C-ELECTROLYTIC: CE04W 18V 47M C-ELECTROLYTIC: CE04W 18V 47M C-ELECTROLYTIC: CE04W 10V 47M C-ELECTROLYTIC: CE04W 10V 47M C-ELECTROLYTIC: CE04W 10V 47M C-ELECTROLYTIC: CE04W 10V 47M C-ELECTROLYTIC: CE04W 10V 47M C-ELECTROLYTIC: CE04W 10V 47M C-ELECTROLYTIC: CE04W 10V 47M C-ELECTROLYTIC: CE04W 10V 47M C-ELECTROLYTIC: CE04W 10V 47M C-ELECTROLYTIC: CE04W 10V 47M C-ELECTROLYTIC: CE04W 10V 47M C-ELECTROLYTIC: CE04W 10V 47M C-ELECTROLYTIC: CE04W 10V 47M		######################################	67644-688-618 66673-688-718 67614-689-988 67614-689-988 66154-681-019 66152-681-215 66152-681-215 66673-688-518 66673-688-518 66674-625-718 66674-625-718 61689-482-188 61417-118-224 61417-118-224 61417-118-224 61417-118-224 61417-118-224 61417-118-218 61488-177-184 61848-177-185 61848-177-194 61848-177-198 61848-177-198 61848-177-198	DOOR BATTCRY: ABS 94HB GUIDER LCD; ABS 94HB GUIDER LCD; ABS 94HB INLAY REMOCON(A): PVC T1.8(VX-790) INLAY REMOCON(A): PVC T0.5(VX-770) INLAY REMOCON(B): PVC T0.5(VX-770) INLAY REMOCON(B): PVC T0.5(VX-770) KEY REMOCON(B): SILICON RUBBER (VX-770) SPRING AB REMOCON: SUB 304 T0.4 SPRING AB: PBR 2-1/4 T0.5 WINDOW REMOCON: ACRYL VIOLET C-ELECTROLYTIC: CE04W 50V IM(SE) C-CERAMIC HK: CK45 B TAPG 500V 220-K DIODE: IN414B SAMSUNG LED-IR: CL2 IC: MS0930-124FP TRANSISTOR: KSC945-Y SAMSUNG TRANSISTOR: KSC945-Y SAMSUNG TRANSISTOR: KSC945-Y SAMSUNG TRANSISTOR: KSC945-Y SAMSUNG TRANSISTOR: KSC945-Y SAMSUNG TRANSISTOR: KSC945-Y SAMSUNG R-METAL FILM: RM 1/8TS 100K-J R-METAL FILM: RM 1/8TS 15K-J R-METAL FILM: RM 1/8TS 100K-J R-METAL FILM: RM 1/8TS 100-J	S.N.A S.N.A S.N.A VX-770 VX-770 S.N.A VX-770 VI-770 S.N.A S.N.A S.N.A
C981 C982 C983 C984 C985 C988 C998 C911 C912 C914 C914 C915	ASSY REGULATOR 69998-688-734 69898-688-856 63599-614-847 63853-213-394 66824-688-618 63805-986-841 66614-981-512 62429-614-441 61469-582-818 61689-482-444 61689-482-471 61689-483-998 61419-184-318	PARTS LIST REGULATOR ASSY: PAL HI-FI (SVX-319.VX-770. REGULATOR ASSY: VI-770 PAL HI-FI SWITCH: WK802 A80 WIRE: 600 V 100AY RED TIE BAND: NYLON 616.100 PWB-REG: XPC-FRI 245X75X1.6(T) VX-776 BRAKT: A1950P H14 BRAKT AC: SBHG 1A FERRITE BEED: 3.5X6X1.2H C-CERAMIC DISK: CS17-E2GA 472 MYAS C-ELECTROLYTIC: CE04W 35V 4700M(S) C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 100V 470M	VB-77®) VI-77® I S.N.A	######################################	67644-600-610 66673-600-710 87614-609-9015 67614-609-9080 66154-601-215 66152-601-215 66152-601-215 66152-601-215 66152-601-280 62309-110-341 63095-906-874 66673-600-516 66674-625-610 66674-625-610 67654-618-110 61609-402-100 61417-110-224 61417-110-224 62169-406-482 62199-101-661 62139-103-381 62139-103-381 62139-103-741 61048-177-104 61048-177-105 61048-177-105 61048-177-183 61048-177-184 61048-177-185 61048-177-185	DOOR BATTCRY: ABS 94HB GUIDER LD; ABS 94HB GUIDER LD; ABS 94HB INLAY REMOCON(A): PVC T1.8(VX-790) INLAY REMOCON(A): PVC T0.5(VX-770) INLAY REMOCON(B): PVC T0.5(VX-770) INLAY REMOCON(B): PVC T0.5(VX-770) KEY REMOCON(B): SILICON RUBBER (VX-770) KEY REMOCON(B): SILICON RUBBER (VX-770) LCD: HDL-7140 PWB-REMOCON: FR4 154X56X1.6(T) SPRING (B) REMOCON: SUS 394 T0.4 SPRING A1: PBR 2-1/4 T0.5 SPRING A1: PBR 2-1/4 T0.5 SPRING A1: PBR 2-1/4 T0.5 WINDOW REMOCON: ACRYL VIOLET C-ELECTROLYTIC: CE04W 50V 1M(SE) C-CERAMIC HK: CK45 B TAPG 500V 220-K C-CERAMIC HK: CK45 B TAPG 5	S.N.A S.N.A S.N.A VX-770 VX-770 S.N.A VX-770 VI-770 S.N.A S.N.A S.N.A
C981 C982 C983 C984 C995 C998 C911 C912 C914 C915 C916	ASSY REGULATOR 69898-688-734 69898-688-856 63599-614-847 63853-213-394 66824-688-618 63805-886-841 66614-881-511 66614-881-511 66614-881-512 61469-9144-475 61689-481-468 61419-184-318 61689-483-898 61419-184-318 61689-483-898 61419-184-318 61689-483-898 61419-184-318 61689-483-898 61419-184-318 61689-483-898 61419-184-318 61689-483-898	PARTS LIST REGULATOR ASSY:PAL HI-FI(SVX-319.VX-770. REGULATOR ASSY:VI-770 PAL HI-FI SWITCH:WK892 A88 WIRE:G80V 188AY RED TIE BAND:NYLON G1G-100 PWB-REG:XPC-FRI 245X75X1-6(T) VX-776 BRAKT:A1850P H14 BRAKT AC:SBHG IA FERRITE BEED:3.5X6X1.2H C-CERAMIC DISK:CS17-E2GA 472 MYAS C-ELECTROLYTIC:CE04W 35V 4780M(S) C-ELECTROLYTIC:CE04W 16V 47M C-CERAMIC-HK:CK45 B 58V 8.81M-K C-ELECTROLYTIC:CE04W 16V 47M C-ELECTROLYTIC:CE04W 100V 47M	VB-77®) VI-77®	######################################	67644-688-618	DOOR BATTCRY: ABS 94HB GUIDER LCD; ABS 94HB GUIDER LCD; ABS 94HB INLAY REMOCON(A): PVC T1.8(VX-790) INLAY REMOCON(A): PVC T0.5(VX-770) INLAY REMOCON(B): PVC T0.5(VX-770) INLAY REMOCON(B): PVC T0.5(VX-770) KEY REMOCON(B): SILICON RUBBER (VX-770) SPRING AB REMOCON: SUB 304 T0.4 SPRING AB: PBR 2-1/4 T0.5 WINDOW REMOCON: ACRYL VIOLET C-ELECTROLYTIC: CE04W 50V IM(SE) C-CERAMIC HK: CK45 B TAPG 500V 220-K DIODE: IN414B SAMSUNG LED-IR: CL2 IC: MS0930-124FP TRANSISTOR: KSC945-Y SAMSUNG TRANSISTOR: KSC945-Y SAMSUNG TRANSISTOR: KSC945-Y SAMSUNG TRANSISTOR: KSC945-Y SAMSUNG TRANSISTOR: KSC945-Y SAMSUNG TRANSISTOR: KSC945-Y SAMSUNG R-METAL FILM: RM 1/8TS 100K-J R-METAL FILM: RM 1/8TS 15K-J R-METAL FILM: RM 1/8TS 100K-J R-METAL FILM: RM 1/8TS 100-J	S.N.A S.N.A S.N.A VX-778 VX-778 S.N.A VX-770 VI-770 S.N.A S.N.A S.N.A
C981 C982 C983 C984 C985 C989 C918 C911 C913 C914 C916 C916 C917	ASSY REGULATOR 69998-600-734 69998-600-856 63599-614-847 63853-213-394 66824-600-610 63005-906-841 66614-901-512 62429-614-441 61609-402-440 61609-402-440 61609-402-471 61609-403-990 61619-403-990	PARTS LIST REGULATOR ASSY: PAL HI-FI (SVX-319.VX-770. REGULATOR ASSY: VI-770 PAL HI-FI SWITCH: WK882 A88 WIRE: 680 V 188A V RED TIE BAND: NYLON 616.180 PWB-REG: XPC-FRI 245X75X1.6(T) VX-778 BRAKT: A1858P H14 BRAKT AC: SBMG 1A FERRITE BEED: 3.5X6X1.2H C-CELECTROLYTIC: CE04W 35V 4700M(S) C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 100V 470M C-ELECTR	VB-77®) VI-77®	######################################	67644-688-618	DOOR BATTCRY: ABS 94HB GUIDER LED; ABS 94HB GUIDER LED; ABS 94HB INLAY REMOCON(A): PVC T1.8(VX-790) INLAY REMOCON(A): PVC T0.5(VX-770) INLAY REMOCON(B): PVC T0.5(VX-770) INLAY REMOCON(B): PVC T0.5(VX-770) KEY REMOCON(B): SILICON RUBBER (VX-770) LCD: HDL-7140 PWB-REMOCON: SILICON RUBBER (VX-770) SPRING (B) REMOCON: SUS 304 T0.4 SPRING AI: PBR 2-1/4 T0.5 SPRING AI: PBR 2-1/4 T0.5 SPRING AI: PBR 2-1/4 T0.5 WINDOW REMOCON: ACRYL VIOLET C-ELECTROLYTIC: CE04W 50V IM(SE) C-CERAMIC HK: CK45 B TAPG 500V 220-K DIODE: IN4148 SAMSUNG LED-IR: CL2 IC: MS0930-124FP TRANSISTOR: KSC945-Y SAMSUNG TRANSISTOR: KSC945-Y SAMSUNG R-METAL FILM: RM 1/8TS 100K-J R-METAL FILM: RM 1/8TS 100K-J R-METAL FILM: RM 1/8TS 100K-J R-METAL FILM: RM 1/8TS 100K-J R-METAL FILM: RM 1/8TS 100K-J R-METAL FILM: RM 1/8TS 20K-J R-METAL FILM: RM 1/8TS 560-J R-METAL FILM: RM 1/8TS 52K-J R-METAL FILM: RM 1/8TS 22K-J R-METAL FILM: RM 1/8TS 22K-J R-METAL FILM: RM 1/8TS 22K-J	S.N.A S.N.A S.N.A VX-778 VX-778 S.N.A VX-770 VI-770 S.N.A S.N.A S.N.A
C981 C982 C982 C984 C995 C918 C911 C911 C914 C914 C915 C916 C917 C917	ASSY REGULATOR 69898-688-734 69898-688-856 63599-814-847 63853-213-394 66824-688-618 63685-886-618 66814-881-511 66614-881-511 66614-881-512 61669-482-448 61669-482-448 61689-481-458 61689-481-468 61419-184-318 61689-483-898 61689-483-898 61689-483-898 61699-483-898	PARTS LIST REGULATOR ASSY:PAL HI-FI(SVX-319.VX-770.REGULATOR ASSY:VI-770 PAL HI-FI SWITCH:WK802 A80 WIRE:GONO 100AY RED ITIE BAND:NYLON 616.100 PWB-REG:XPC-FRI 245X75X1.6(T) VX-776 BRAKT:A1050P H14 BRAKT AC:SBHG IA FERRITE BEED:3.5X6X1.2H C-CERAMIC DISK:CS17-E2GA 472 MYAS C-ELECTROLYTIC:CE04W 35V 4700M(S) C-ELECTROLYTIC:CE04W 16V 47M C-CERAMIC.HK:CK45 B 58V 0.01M-K C-ELECTROLYTIC:CE04W 16V 47M C-ELECTROLYTIC:CE04W 100V 47M C-ELECTROLYTIC:CE04W 100V 47M C-ELECTROLYTIC:CE04W 100V 47M C-ELECTROLYTIC:CE04W 100V 47M C-ELECTROLYTIC:CE04W 100V 47M C-CERAMIC.HK:CK45 B 50V 0.01M-K C-ELECTROLYTIC:CE04W 100V 47M C-ELECTROLYTIC:CE04W 100V 47M C-CERAMIC.HK:CK45 B 50V 0.01M-K C-ELECTROLYTIC:CE04W 100V 47M C-ELECTROLYTIC:CE04W 100V 47M C-CERAMIC.HK:CK45 B 50V 0.0022M-K C-CERAMIC.HK:CK45 B 50V 0.0022M-K C-CERAMIC.HK:CK45 B 50V 1003-M C-CERAMIC.HK:CK45 D 500V 1003-M C-CERAMIC.HK:CK45 D 500V 1003-M C-CERAMIC.HK:CK45 D 500V 1003-M	VB-77®) VI-77®	######################################	67644-600-610 66673-600-710 67614-608-930 67614-609-015 67614-609-015 66152-601-215 66152-601-215 66152-601-215 66152-601-215 66574-605-10 66673-600-510 66673-600-510 67654-618-110 67648-177-104 67648-177-105 67648-177-105 67648-177-23 67648-177-23 67648-177-23 67648-177-23	DOOR BATTCRY: ABS 94HB GUIDER LD; ABS 94HB GUIDER LD; ABS 94HB INLAY REMOCON(A): PVC T1.8(VX-790) INLAY REMOCON(A): PVC T0.5(VX-770) INLAY REMOCON(B): PVC T0.5(VX-770) INLAY REMOCON(B): PVC T0.5(VX-770) KEY REMOCON(B): SILICON RUBBER (VX-770) KEY REMOCON(B): SILICON RUBBER (VX-770) KEY REMOCON(B): SILICON RUBBER (VX-770) LCD: HDL-7140 PWB-REMOCON: F4 154X56X1.6(T) SPRING AB: PBR 2-1/4 T0.5 SPRING AB: PBR 2-1/4 T0.5 SPRING AB: PBR 2-1/4 T0.5 SPRING AB: PBR 2-1/4 T0.5 SPRING AB: PBR 2-1/4 T0.5 SPRING AB: PBR 2-1/4 T0.5 C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK55 B TAPG 500V 220-K C-C	S.N.A S.N.A S.N.A VX-778 VX-778 S.N.A VX-770 VI-770 S.N.A S.N.A S.N.A
C981 C982 C982 C984 C985 C989 C918 C911 C913 C914 C915 C916 C917 C916 C917 C918 C919 C919	ASSY REGULATOR 69898-688-734 69898-688-688-856 63599-614-847 63853-213-394 66824-688-618 63885-886-841 66614-881-511 66614-881-511 66614-881-512 61609-482-448 61609-481-466 61419-184-318 61687-122-471 61687-122-471 61687-122-471 61687-122-471 61687-122-471 61687-122-471 61687-122-471 61687-122-471 61619-483-898 61619-483-898 61619-182-318 61619-182-318 61619-182-318 61619-182-318 61619-182-318 61619-182-318 61619-182-318 61619-182-318 61619-182-318 61619-184-418	PARTS LIST REGULATOR ASSY: PAL HI-FI (SVX-319.VX-770. REGULATOR ASSY: VI-770 PAL HI-FI SWITCH: WK802 A80 WHRE: GROV 188AY RED TIE BAND: NYLON 616.100 PWB-REG: XPC-FRI 245X75X1.6(T) VX-778 BRAKT: A1950P H14 BRAKT AC: SBHG 1A FERRITE BEED: 3.5X6X1.2H C-CERAMIC DISK: CS17-E2GA 472 MYAS C-ELECTROLYTIC: CE04W 35V 4700M(S) C-ELECTROLYTIC: CE04W 16V 4700M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 100V 470M C-ELECTROLYTIC: CE04W 100V 470M C-ELECTROLYTIC: CE04W 100V 470M C-ELECTROLYTIC: CE04W 100V 470M C-ELECTROLYTIC: CE04W 100V 470M C-ELECTROLYTIC: CE04W 100V 470M C-ELECTROLYTIC: CE04W 100V 470M C-ELECTROLYTIC: CE04W 100V 470M C-ELECTROLYTIC: CE04W 100V 470M C-ELECTROLYTIC: CE04W 100V 470M C-ELECTROLYTIC: CE04W 100V 470M C-ELECTROLYTIC: CE04W 100V 470M C-ELECTROLYTIC: CE04W 100V 470M C-ELECTROLYTIC: CE04W 100V 470M C-ELECTROLYTIC: CE04W 100V 470M C-ELECTROLYTIC: CE04W 100V 470M C-ELECTROLYTIC: CE04W 100V 470M C-ELECTROLYTIC: CE04W 100V 470M C-ECRAMIC-HK: CK45 B 50V 0.002M-K C-CERAMIC-HK: CK45 B 50V 0.002M-K C-CERAMIC-HK: CK45 D 500V 103-M C-CERAMIC-HK: CK45 D 500V 103-M	VB-77®) VI-77®	######################################	67644-688-618	DOOR BATTCRY: ABS 94HB GUIDER LCD; ABS 94HB GUIDER LCD; ABS 94HB GUIDER LCD; ABS 94HB INLAY REMOCON(A); PVC T1.8(VX-790) INLAY REMOCON(A); PVC T0.5(VX-770) INLAY REMOCON(B); PVC T0.5(VX-770) INLAY REMOCON(B); PVC T0.5(VX-770) KEY REMOCON(B); SILICON RUBBER (VX-770) SPRING A2; PBR 2-1/4 T0.5 SPRING A1: PBR 2-1/4 T0.5 WINDOW REMOCON; ACRYL VIOLET C-ELECTROLYTIC; CE04W S0V IM(SE) C-CERAMIC HK; CK45 B TAPG 500V 220-K DIODE; IN4148 SAMSUNG LED-IR: CL2 C-CERAMIC HK; CK45 B TAPG 500V 220-K DIODE; IN4148 SAMSUNG LED-IR: CL2 IC: NS0930-124FP TRANSISTOR; KSC945-Y SAMSUNG TRANSISTOR; KSC945-Y SAMSUNG R-METAL FILM; RM 1/8TS 100K-J R-METAL FILM; RM 1/8TS 100K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 22K-J R-METAL FILM; RM 1/8TS 33K-J R-METAL FILM; RM 1/8TS 35K-J R-ME	S.N.A S.N.A S.N.A VX-778 VX-778 S.N.A VX-770 VI-770 S.N.A S.N.A S.N.A
C981 C982 C983 C984 C995 C988 C916 C911 C913 C914 C915 C917 C918 C917 C918 C919 C917 C918 C919 C919 C919	ASSY REGULATOR 69998-680-734 69998-680-856 / 63599-614-847 / 63853-213-394 / 66824-680-618 / 63805-986-841 / 66614-801-512 / 62429-614-441 / 61669-482-440 / 61689-481-475 / 61689-481-481 / 61689-482-471 / 61689-483-898 / 61419-184-318 / 61689-482-182 / 61699-482-182 / 61419-184-318 / 61689-482-182 / 61419-184-318 / 61689-482-182 / 61419-186-638 / 61419-186-638	PARTS LIST REGULATOR ASSY: PAL HI-FI (SVX-319.VX-770. REGULATOR ASSY: VI-770 PAL HI-FI SWITCH: WK882 A88 WIRE: 680V 188AY RED TIE BAND: NYLON 616.180 PWB-REG: XPC-FRI 245X75X1.6(T) VX-778 BRAKT: A1958P H14 BRAKT AC: SBMG 1A FERRITE BEED: 3.5X6X1.2H C-CERAMIC DISK: CS17-E2GA 472 MYAS C-ELECTROLYTIC: CE04W 35V 4780M(S) C-ELECTROLYTIC: CE04W 16V 478M C-ELECTROLYTIC: CE04W 16V 47M C-ELECTROLYTIC: CE04W TAPG 25V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-CERAMIC. HK: CK45 B 50V 9.00M(SG) C-CERAMIC. HK: CK45 B 50V 9.00M(SG) C-CERAMIC. HK: CK45 D 500V 103-M C-CERAMIC. HK: CK45 D 500V 103-M C-CERAMIC. HK: CK45 D 500V 103-M C-CERAMIC. HK: CK45 D 500V 103-M C-CERAMIC. HK: CK45 D 500V 103-M C-CERAMIC. HK: CK45 D 500V 103-M C-CERAMIC. HK: CK45 D 500V 103-M	VB-77®) VI-77®	######################################	67644-688-618	DOOR BATTCRY: ABS 94HB GUIDER LD; ABS 94HB GUIDER LD; ABS 94HB INLAY REMOCON(A): PVC T1.8(VX-790) INLAY REMOCON(A): PVC T0.5(VX-770) INLAY REMOCON(B): PVC T0.5(VX-770) INLAY REMOCON(B): PVC T0.5(VX-770) KEY REMOCON(B): SILICON RUBBER (VX-770) KEY REMOCON(B): SILICON RUBBER (VX-770) KEY REMOCON(B): SILICON RUBBER (VX-770) LCD: HDL-7140 PWB-REMOCON: F4 154X56X1.6(T) SPRING AB: PBR 2-1/4 T0.5 SPRING AB: PBR 2-1/4 T0.5 SPRING AB: PBR 2-1/4 T0.5 SPRING AB: PBR 2-1/4 T0.5 SPRING AB: PBR 2-1/4 T0.5 SPRING AB: PBR 2-1/4 T0.5 C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK45 B TAPG 500V 220-K C-CERANIC HK: CK55 B TAPG 500V 220-K C-C	S.N.A S.N.A S.N.A VX-778 VX-778 S.N.A VX-770 VI-770 S.N.A S.N.A S.N.A
C981 C982 C983 C984 C985 C988 C911 C912 C914 C915 C916 C917 C918 C919 C921 C921 C921 C921 C921 C921	ASSY REGULATOR 69998-600-734 69998-600-856 63599-614-807 63853-213-394 66824-600-610 63005-906-841 66614-901-512 62429-614-441 61609-402-440 61609-402-440 61609-402-471 61609-403-990 61619-83-990	PARTS LIST REGULATOR ASSY: PAL HI-FI (SVX-319.VX-770. REGULATOR ASSY: VI-770 PAL HI-FI SWITCH: WK882 A88 WIRE: 600 V 100A V RED I TIE BAND: NYLON 616.100 PWB-REG: XPC-FRI 245X75X1.6(T) VX-776 BRAKT: A1050P H14 BRAKT AC: SBMG 1A FERRITE BEED: 3.5X6X1.2H C-CELECTROLYTIC: CE04W 35V 4700M(S) C-ELECTROLYTIC: CE04W 16V 4700M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 100V 470M C-	VB-77®) VI-77®	######################################	67644-688-618	DOOR BATTCRY: ABS 94HB GUIDER LCD; ABS 94HB GUIDER LCD; ABS 94HB GUIDER LCD; ABS 94HB INLAY REMOCON(A); PVC T1.8(VX-790) INLAY REMOCON(A); PVC T0.5(VX-770) INLAY REMOCON(B); PVC T0.5(VX-770) INLAY REMOCON(B); PVC T0.5(VX-770) KEY REMOCON(B); SILICON RUBBER (VX-770) SPRING A2; PBR 2-1/4 T0.5 SPRING A1: PBR 2-1/4 T0.5 WINDOW REMOCON; ACRYL VIOLET C-ELECTROLYTIC; CE04W S0V IM(SE) C-CERAMIC HK; CK45 B TAPG 500V 220-K DIODE; IN4148 SAMSUNG LED-IR: CL2 C-CERAMIC HK; CK45 B TAPG 500V 220-K DIODE; IN4148 SAMSUNG LED-IR: CL2 IC: NS0930-124FP TRANSISTOR; KSC945-Y SAMSUNG TRANSISTOR; KSC945-Y SAMSUNG R-METAL FILM; RM 1/8TS 100K-J R-METAL FILM; RM 1/8TS 100K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 22K-J R-METAL FILM; RM 1/8TS 33K-J R-METAL FILM; RM 1/8TS 35K-J R-ME	S.N.A S.N.A S.N.A VX-770 VX-770 S.N.A VX-770 VI-770 S.N.A S.N.A S.N.A
C981 C982 C983 C984 C985 C988 C918 C911 C912 C913 C914 C915 C916 C917 C918 C919 C928 C928 C928 C928 C928 C928 C928 C92	ASSY REGULATOR 69898-688-734 69898-688-688-856 63599-614-847 63853-213-394 66824-688-618 63885-886-841 66614-881-511 66614-881-511 66614-881-511 66619-141-475 61689-482-448 61689-481-468 61419-184-318 61689-483-898 61419-184-318 61689-483-898 61419-184-318 61699-483-898 61419-184-318 61619-483-898 61419-184-318 61419-186-838 61419-186-838 61419-186-838 61419-186-838 61419-186-838 61419-186-838 61419-186-838	PARTS LIST REGULATOR ASSY: PAL HI-FI (SVX-319.VX-770. REGULATOR ASSY: VI-770 PAL HI-FI SWITCH: WK802 A80 WHRE: GROV 188AY RED TIE BAND: NYLON G16.100 PWB-REG: XPC-FRI 245X75X1.6(T) VX-776 BRAKT: A1850P H14 BRAKT AC: SBHG IA FERRITE BEED: 3.5X6X1.2H C-CERAMIC DISK: CS17-E2GA 472 MYAS C-ELECTROLYTIC: CE04W 35V 4780M(S) C-ELECTROLYTIC: CE04W 16V 47M C-CERAMIC.H: CK645 B 58V 0.81M-K C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-CERAMIC. HK: CK45 B 50V 0.01M-K C-CERAMIC. HK: CK45 B 50V 0.0022M-K C-CERAMIC. HK: CK45 B 50V 103-M	VB-77®) VI-77®	######################################	67644-688-618	DOOR BATTCRY: ABS 94HB GUIDER LCD; ABS 94HB GUIDER LCD; ABS 94HB GUIDER LCD; ABS 94HB INLAY REMOCON(A); PVC T1.8(VX-790) INLAY REMOCON(A); PVC T0.5(VX-770) INLAY REMOCON(B); PVC T0.5(VX-770) INLAY REMOCON(B); PVC T0.5(VX-770) KEY REMOCON(B); SILICON RUBBER (VX-770) SPRING A2; PBR 2-1/4 T0.5 SPRING A1: PBR 2-1/4 T0.5 WINDOW REMOCON; ACRYL VIOLET C-ELECTROLYTIC; CE04W S0V IM(SE) C-CERAMIC HK; CK45 B TAPG 500V 220-K DIODE; IN4148 SAMSUNG LED-IR: CL2 C-CERAMIC HK; CK45 B TAPG 500V 220-K DIODE; IN4148 SAMSUNG LED-IR: CL2 IC: NS0930-124FP TRANSISTOR; KSC945-Y SAMSUNG TRANSISTOR; KSC945-Y SAMSUNG R-METAL FILM; RM 1/8TS 100K-J R-METAL FILM; RM 1/8TS 100K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 22K-J R-METAL FILM; RM 1/8TS 33K-J R-METAL FILM; RM 1/8TS 35K-J R-ME	S.N.A S.N.A S.N.A VX-770 VX-770 S.N.A VX-770 VI-770 S.N.A S.N.A S.N.A
C981 C982 C983 C984 C985 C988 C911 C912 C914 C915 C916 C917 C918 C919 C921 C921 C921 C921 C921 C921	ASSY REGULATOR 69898-688-734 69898-688-856 63599-614-847 63853-213-394 66824-688-618 63885-886-841 66614-881-511 66614-881-511 66614-881-514 61669-482-448 61609-482-448 61609-482-448 61609-482-448 61609-483-898 61419-184-318 61689-483-898 61419-184-318 61689-483-898 61419-184-318 61699-483-898 61419-184-318 61699-483-898 61419-186-838 61419-186-838 61419-186-838 61419-186-838 61419-186-838 61419-186-838 61419-186-838 61419-186-838 61419-186-838 61419-186-838	PARTS LIST REGULATOR ASSY: PAL HI-FI (SVX-319.VX-770. REGULATOR ASSY: VI-770 PAL HI-FI SWITCH: WK882 A88 WIRE: 600 V 100A V RED I TIE BAND: NYLON 616.100 PWB-REG: XPC-FRI 245X75X1.6(T) VX-776 BRAKT: A1050P H14 BRAKT AC: SBMG 1A FERRITE BEED: 3.5X6X1.2H C-CELECTROLYTIC: CE04W 35V 4700M(S) C-ELECTROLYTIC: CE04W 16V 4700M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 100V 470M C-	VB-77®) VI-77®	######################################	67644-688-618	DOOR BATTCRY: ABS 94HB GUIDER LCD; ABS 94HB GUIDER LCD; ABS 94HB GUIDER LCD; ABS 94HB INLAY REMOCON(A); PVC T1.8(VX-790) INLAY REMOCON(A); PVC T0.5(VX-770) INLAY REMOCON(B); PVC T0.5(VX-770) INLAY REMOCON(B); PVC T0.5(VX-770) KEY REMOCON(B); SILICON RUBBER (VX-770) SPRING A2; PBR 2-1/4 T0.5 SPRING A1: PBR 2-1/4 T0.5 WINDOW REMOCON; ACRYL VIOLET C-ELECTROLYTIC; CE04W S0V IM(SE) C-CERAMIC HK; CK45 B TAPG 500V 220-K DIODE; IN4148 SAMSUNG LED-IR: CL2 C-CERAMIC HK; CK45 B TAPG 500V 220-K DIODE; IN4148 SAMSUNG LED-IR: CL2 IC: NS0930-124FP TRANSISTOR; KSC945-Y SAMSUNG TRANSISTOR; KSC945-Y SAMSUNG R-METAL FILM; RM 1/8TS 100K-J R-METAL FILM; RM 1/8TS 100K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 22K-J R-METAL FILM; RM 1/8TS 33K-J R-METAL FILM; RM 1/8TS 35K-J R-ME	S.N.A S.N.A S.N.A VX-770 VX-770 S.N.A VX-770 VI-770 S.N.A S.N.A S.N.A
C981 C982 C983 C984 C985 C989 C910 C911 C913 C914 C915 C916 C917 C918 C919 C920 C921 C920 C921 C930 C930 C930 C930 C930 C930 C930 C930	ASSY REGULATOR 69898-688-734 69898-688-856 63599-614-847 63853-213-394 66824-688-618 66614-881-511 66614-881-511 66614-881-512 62429-614-441 61469-582-818 61689-482-448 61689-482-448 61689-482-449 61689-483-898 61687-122-471 61689-483-898 61687-122-471 61689-483-898 61687-122-471 61689-483-898 61419-184-318 61689-483-898 61419-184-318 61689-483-898 61419-184-318 61689-483-898 61419-184-318 61689-483-898 61419-186-838 61419-186-838 61419-186-838 63349-881-311 63349-881-311 63349-881-318 62169-281-868	PARTS LIST REGULATOR ASSY:PAL HI-FI(SVX-319.VX-770.REGULATOR ASSY:VI-770 PAL HI-FI SWITCH:WK892 A88 WIRE:600V 100AY RED ITIE BAND:NYLON 616.100 PWB-REG:XPC-FRI 245X75X1.6(T) VX-776 BRAKT:A1950P H14 BRAKT AC:SBHG IA FERRITE BEED:3.5X6X1.2H C-CERAMIC DISK:CS17-E2GA 472 MYAS C-ELECTROLYTIC:CE04W 16V 47M C-ELECTROLYTIC:CE04W 16V 47M C-CELECTROLYTIC:CE04W 16V 47M C-ELECTROLYTIC:CE04W 16V 47M C-ELECTROLYTIC:CE04W 100V 47M C-ELECTROLYTIC:CE04W 100V 47M C-ELECTROLYTIC:CE04W 100V 47M C-ELECTROLYTIC:CE04W 100V 47M C-ELECTROLYTIC:CE04W 100V 47M C-CERAMIC.HK:CK45 B 50V 9.01M-K C-ELECTROLYTIC:CE04W 100V 47M C-CERAMIC.HK:CK45 B 50V 9.01M-K C-ELECTROLYTIC:CE04W 100V 47M C-CERAMIC.HK:CK45 B 50V 9.01M-K C-ELECTROLYTIC:CE04W 100V 47M C-CERAMIC.HK:CK45 B 50V 9.01M-K C-CERAMIC.HK:CK45 B 50V 9.00M-K C-CERAMIC.HK:CK45 B 50V 9.00M-K C-CERAMIC.HK:CK45 B 50V 9.00M-M C-CERAMIC.HK:CK45 B 50V 9.00M-M C-CERAMIC.HK:CK45 B 50V 9.00M-M C-CERAMIC.HK:CK45 B 50V 9.00M-M C-CERAMIC.HK:CK45 B 50V 103-M C-CERAMIC.HK	VB-77®) VI-77®	######################################	67644-688-618	DOOR BATTCRY: ABS 94HB GUIDER LCD; ABS 94HB GUIDER LCD; ABS 94HB GUIDER LCD; ABS 94HB INLAY REMOCON(A); PVC T1.8(VX-790) INLAY REMOCON(A); PVC T0.5(VX-770) INLAY REMOCON(B); PVC T0.5(VX-770) INLAY REMOCON(B); PVC T0.5(VX-770) KEY REMOCON(B); SILICON RUBBER (VX-770) SPRING A2; PBR 2-1/4 T0.5 SPRING A1: PBR 2-1/4 T0.5 WINDOW REMOCON; ACRYL VIOLET C-ELECTROLYTIC; CE04W S0V IM(SE) C-CERAMIC HK; CK45 B TAPG 500V 220-K DIODE; IN4148 SAMSUNG LED-IR: CL2 C-CERAMIC HK; CK45 B TAPG 500V 220-K DIODE; IN4148 SAMSUNG LED-IR: CL2 IC: NS0930-124FP TRANSISTOR; KSC945-Y SAMSUNG TRANSISTOR; KSC945-Y SAMSUNG R-METAL FILM; RM 1/8TS 100K-J R-METAL FILM; RM 1/8TS 100K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 22K-J R-METAL FILM; RM 1/8TS 33K-J R-METAL FILM; RM 1/8TS 35K-J R-ME	S.N.A S.N.A S.N.A VX-778 VX-778 S.N.A VX-770 VI-770 S.N.A S.N.A S.N.A
C981 C982 C982 C984 C985 C989 C918 C911 C913 C914 C915 C916 C917 C918 C919 C920 C921 CN907 CN907 CN908	ASSY REGULATOR 69898-688-734 69898-688-618 63895-213-394 66824-688-618 63805-886-84 66614-881-511 66614-881-511 66614-881-514 61469-382-914-441 61469-382-914-441 61689-482-448 61689-481-458 61419-184-318 61689-483-898 61419-184-318 61689-483-898 61419-184-318 61689-483-898 61419-184-318 61619-483-898 61419-184-318 61619-483-898 61419-184-318 61619-483-898 61619-483-898 61619-183-898 61619-183-898 61619-184-318 61619-184-318 61619-184-318 61619-184-318 61619-184-318 61619-186-838 61419-186-838 61419-186-838 61419-186-838 61419-186-838 61419-186-838 61419-186-838 61419-186-838 61419-186-838 61419-186-838 61419-186-838 61419-186-838 61419-186-838	PARTS LIST REGULATOR ASSY: PAL HI-FI (SVX-319.VX-770.REGULATOR ASSY: VI-770 PAL HI-FI SWITCH: WK802 A80 WHRE: 600V 100AY RED TIE BAND: NYLON 616.100 PWB-REG: XPC-FRI 245X75X1.6(T) VX-770 BRAKT: A1050P H14 BRAKT AC: SBHG IA FERRITE BEED: 3.5X6X1.2H C-CERAMIC DISK: CS17-E2GA 472 MYAS C-ELECTROLYTIC: CE04W 35V 4700M(S) C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 100V 470M C	VB-77®) VI-77®	######################################	67644-688-618	DOOR BATTCRY: ABS 94HB GUIDER LCD; ABS 94HB GUIDER LCD; ABS 94HB GUIDER LCD; ABS 94HB INLAY REMOCON(A); PVC T1.8(VX-790) INLAY REMOCON(A); PVC T0.5(VX-770) INLAY REMOCON(B); PVC T0.5(VX-770) INLAY REMOCON(B); PVC T0.5(VX-770) KEY REMOCON(B); SILICON RUBBER (VX-770) SPRING A2; PBR 2-1/4 T0.5 SPRING A1: PBR 2-1/4 T0.5 WINDOW REMOCON; ACRYL VIOLET C-ELECTROLYTIC; CE04W S0V IM(SE) C-CERAMIC HK; CK45 B TAPG 500V 220-K DIODE; IN4148 SAMSUNG LED-IR: CL2 C-CERAMIC HK; CK45 B TAPG 500V 220-K DIODE; IN4148 SAMSUNG LED-IR: CL2 IC: NS0930-124FP TRANSISTOR; KSC945-Y SAMSUNG TRANSISTOR; KSC945-Y SAMSUNG R-METAL FILM; RM 1/8TS 100K-J R-METAL FILM; RM 1/8TS 100K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 22K-J R-METAL FILM; RM 1/8TS 33K-J R-METAL FILM; RM 1/8TS 35K-J R-ME	S.N.A S.N.A S.N.A VX-778 VX-778 S.N.A VX-770 VI-770 S.N.A S.N.A S.N.A
C981 C982 C983 C984 C995 C988 C916 C911 C915 C916 C917 C918 C917 C918 C917 C918 C919 C919 C919 C919 C919 C919 C919	ASSY REGULATOR 69898-688-734 69898-688-688-856 63599-614-847 63853-213-394 66824-688-618 63885-618-6816-618 66614-881-512 626429-914-441 61669-482-448 61689-482-448 61689-482-448 61689-483-898 61419-184-318 61689-483-898 61619-883-883-883-883-883-883-883-883-883-88	PARTS LIST REGULATOR ASSY: PAL HI-FI (SVX-319.VX-770. REGULATOR ASSY: VI-770 PAL HI-FI SWITCH: WK882 A88 WIRE: GROV 188AY RED TIE BAND: NYLON 616.188 PWB-REG: XPC-FRI 245X75X1.6(T) VX-778 BRAKT: A1950P H14 BRAKT AC: SBMG 1A FERRITE BEED: 3.5X6X1.2H C-CERAMIC DISK: CS17-E2GA 472 MYAS C-ELECTROLYTIC: CE04W 35V 4700M(S) C-ELECTROLYTIC: CE04W 16V 4700M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE0	VB-77®) VI-77®	######################################	67644-688-618	DOOR BATTCRY: ABS 94HB GUIDER LCD; ABS 94HB GUIDER LCD; ABS 94HB GUIDER LCD; ABS 94HB INLAY REMOCON(A); PVC T1.8(VX-790) INLAY REMOCON(A); PVC T0.5(VX-770) INLAY REMOCON(B); PVC T0.5(VX-770) INLAY REMOCON(B); PVC T0.5(VX-770) KEY REMOCON(B); SILICON RUBBER (VX-770) SPRING A2; PBR 2-1/4 T0.5 SPRING A1: PBR 2-1/4 T0.5 WINDOW REMOCON; ACRYL VIOLET C-ELECTROLYTIC; CE04W S0V IM(SE) C-CERAMIC HK; CK45 B TAPG 500V 220-K DIODE; IN4148 SAMSUNG LED-IR: CL2 C-CERAMIC HK; CK45 B TAPG 500V 220-K DIODE; IN4148 SAMSUNG LED-IR: CL2 IC: NS0930-124FP TRANSISTOR; KSC945-Y SAMSUNG TRANSISTOR; KSC945-Y SAMSUNG R-METAL FILM; RM 1/8TS 100K-J R-METAL FILM; RM 1/8TS 100K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 22K-J R-METAL FILM; RM 1/8TS 33K-J R-METAL FILM; RM 1/8TS 35K-J R-ME	S.N.A S.N.A S.N.A VX-778 VX-778 S.N.A VX-770 VI-770 S.N.A S.N.A S.N.A
C981 C982 C982 C984 C995 C998 C911 C911 C913 C914 C915 C916 C917 C918 C917 C918 C919 C921 CN982 CN987 CN987 CN981 D982 D984 D984	ASSY REGULATOR 69998-680-734 69998-680-856 / 63599-614-847 63853-213-394 66824-680-610 63805-966-841 66614-801-512 62429-614-441 61669-482-440 61689-482-440 61689-481-475 61689-481-481 61689-482-471 61689-482-471 61689-482-471 61689-482-471 61689-482-471 61689-482-471 61699-482-471 61699-483-990 61699-482-481 61699-482-182 61419-186-638	PARTS LIST REGULATOR ASSY: PAL HI-FI (SVX-319.VX-770. REGULATOR ASSY: VI-770 PAL HI-FI SWITCH: WK882 A88 WIRE: 680V 188AY RED TIE BAND: NYLON 616.180 PWB-REG: XPC-FRI 245X75X1.6(T) VX-776 BRAKT: A1958P H14 BRAKT AC: SBMG 1A FERRITE BEED: 3.5X6X1.2H C-CERAMIC DISK: CS17-E2GA 472 MYAS C-ELECTROLYTIC: CE04W 35V 4780M(S) C-ELECTROLYTIC: CE04W 16V 47M C-ELECTROLYTIC: CE04W 16V 47M C-ELECTROLYTIC: CE04W TAPG 25V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-CERAMIC. HK: CK45 B 50V 9.80M(SG) C-CERAMIC. HK: CK45 B 50V 9.80M(SG) C-CERAMIC. HK: CK45 D 500V 103-M C-CE	VB-77®) VI-77®	######################################	67644-688-618	DOOR BATTCRY: ABS 94HB GUIDER LCD; ABS 94HB GUIDER LCD; ABS 94HB GUIDER LCD; ABS 94HB INLAY REMOCON(A); PVC T1.8(VX-790) INLAY REMOCON(A); PVC T0.5(VX-770) INLAY REMOCON(B); PVC T0.5(VX-770) INLAY REMOCON(B); PVC T0.5(VX-770) KEY REMOCON(B); SILICON RUBBER (VX-770) SPRING A2; PBR 2-1/4 T0.5 SPRING A1: PBR 2-1/4 T0.5 WINDOW REMOCON; ACRYL VIOLET C-ELECTROLYTIC; CE04W S0V IM(SE) C-CERAMIC HK; CK45 B TAPG 500V 220-K DIODE; IN4148 SAMSUNG LED-IR: CL2 C-CERAMIC HK; CK45 B TAPG 500V 220-K DIODE; IN4148 SAMSUNG LED-IR: CL2 IC: NS0930-124FP TRANSISTOR; KSC945-Y SAMSUNG TRANSISTOR; KSC945-Y SAMSUNG R-METAL FILM; RM 1/8TS 100K-J R-METAL FILM; RM 1/8TS 100K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 22K-J R-METAL FILM; RM 1/8TS 33K-J R-METAL FILM; RM 1/8TS 35K-J R-ME	S.N.A S.N.A S.N.A VX-778 VX-778 VX-776 VI-770 S.N.A S.N.A S.N.A
C981 C982 C983 C984 C995 C986 C916 C911 C913 C914 C915 C917 C918 C917 C918 C917 C918 C919 C919 C919 C919 C919 C919 C919	ASSY REGULATOR 69898-688-734 69898-688-688-856 63599-614-847 63853-213-394 66824-688-618 63865-886-814 66614-881-511 66614-881-511 66614-881-512 61609-482-448 61609-482-448 61687-122-471 61687-122-471 61687-122-471 61687-122-471 61687-122-471 61687-122-471 61687-122-471 61687-122-471 61687-122-471 61619-83-998 61619-83-998 61619-83-998 61619-83-998 61619-83-998 61619-83-998 61619-83-998 61619-83-998 61619-83-998 61619-83-998 61619-83-998 61619-83-998 61619-83-988-83-998 61619-83-988-83-998 61619-83-988-83-988 61619-83-988-83-988 61619-83-988-83-988 61619-83-988-83-988 61619-83-988-83-988 61619-83-988-83-988 62169-868-838 62169-868-838 62169-868-838 62169-868-838 62169-868-838 62169-868-838	PARTS LIST REGULATOR ASSY; PAL HI-FI (SVX-319.VX-770. REGULATOR ASSY; VI-770 PAL HI-FI SWITCH; WK802 A80 WHRE: GOOV 100AY RED TIE BAND: NYLON 616.100 PWB-REG: XPC-FRI 245X75X1.6(T) VX-770 BRAKT: A1050P H14 BRAKT AC: SBHG 1A FERRITE BEED: 3.5X6X1.2H C-CERANIC DISK: CS17-E2GA 472 MYAS C-ELECTROLYTIC: CE04W 35V 4700M(S) C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 16V 470M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-ELECTROLYTIC: CE04W 100V 47M C-CERAMIC. HK: CK45 B 50V 0.01M-K C-ELECTROLYTIC: CE04W 100V 47M C-CERAMIC. HK: CK45 B 50V 0.01M-K C-CERAMIC. HK: CK45 B 50V 0.002M-K C-CERAMIC. HK: CK45 B 50V 103-M C-CERAMIC.	VB-77®) VI-77®	######################################	67644-688-618	DOOR BATTCRY: ABS 94HB GUIDER LCD; ABS 94HB GUIDER LCD; ABS 94HB GUIDER LCD; ABS 94HB INLAY REMOCON(A); PVC T1.8(VX-790) INLAY REMOCON(A); PVC T0.5(VX-770) INLAY REMOCON(B); PVC T0.5(VX-770) INLAY REMOCON(B); PVC T0.5(VX-770) KEY REMOCON(B); SILICON RUBBER (VX-770) SPRING A2; PBR 2-1/4 T0.5 SPRING A1: PBR 2-1/4 T0.5 WINDOW REMOCON; ACRYL VIOLET C-ELECTROLYTIC; CE04W S0V IM(SE) C-CERAMIC HK; CK45 B TAPG 500V 220-K DIODE; IN4148 SAMSUNG LED-IR: CL2 C-CERAMIC HK; CK45 B TAPG 500V 220-K DIODE; IN4148 SAMSUNG LED-IR: CL2 IC: NS0930-124FP TRANSISTOR; KSC945-Y SAMSUNG TRANSISTOR; KSC945-Y SAMSUNG R-METAL FILM; RM 1/8TS 100K-J R-METAL FILM; RM 1/8TS 100K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 18K-J R-METAL FILM; RM 1/8TS 22K-J R-METAL FILM; RM 1/8TS 33K-J R-METAL FILM; RM 1/8TS 35K-J R-ME	S.N.A S.N.A S.N.A VX-778 VX-778 VX-776 VI-770 S.N.A S.N.A S.N.A
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LOCA NO	PART-NUMBER	DESCRIPTION:SPECIFICATION	REMARK	LOCA-NO	PART-NUMBER	DESCRIPTION; SPECIFICATION	REMARK
	ASSY FUNCTION 1	IMER PARTS LIST		SW30		SWITCH-TACT; EVQ-QS2 OSK	!
-	C0071_C03_205	ACCV F/TIMED DAI MI_FI	:SVX-319	SW31	63599-816-878	SWITCH-TACT;EVQ-QS2 05K SWITCH-TACT;EVQ-QS2 05K	1
	69871-603-205 69881-603-209	ASSY F/TIMER:PAL HI-FI ASSY F/TIMER:PAL HI-FI	: VX-770		63599-016-070	SWITCH-TACT; EVQ-QS2 OSK	i
	69881-683-289	ASSY F/TIMER; PAL HI-FI	: VB-778			SWITCH-TACT: EVQ-QS2 05K	į
	69871-603-201	ASSY F/TIMER; PAL HI-FI	: VI -778			SWITCH-TACT: EVQ-QSZ OSK	1
	OPTION 1 : ONLY	USED FOR " MTS " SYSTEM.		SW36 SW38		SWITCH-TACT;EVQ-QS2 05K SWITCH-TACT;EVQ-QS2 05K	- 1
		DELETED FOR " VPS " SYSTEM.		SW39		SWITCH-TACT:EVQ-QS2 05K	i
7	P			SW41	63599-016-070		!
DT		DIGITRON; FIP 128GM7		SW42		SWITCH-TACT: EVQ-QS2 BSK	-
1		HOLDER LEVEL METER; ABS 94HB (VX-770)BLK HOLDER TIMER; ABS 94HB(VX-770)BLK		SW43	63599-816-878 63599-816-878	SWITCH-TACT;EVQ-QS2 05K SWITCH-TACT;EVQ-QS2 05K	- 1
í		HOLDER-POWER; ABS 94HB(VT-T39)		SW45		SWITCH-TACT; EVQ-QS2 05K	i
į		INDICATOR LEVEL METER; ACRYL(MILK WHITE)		SW46		SWITCH-TACT:EVQ-QS2 05K	!
!		LEVEL METER: LT1195		SW48	63599-016-070	SWITCH-TACT: EVQ-QS2 05K	Į.
-	64529-312-048	PWB-F/TIMER: 1V0 427.5X158X1.6(T) REMOCON-MODULE; SBX 1483-52	S.N.A	VR103		VR-ROUND;RK09K1130-500KB(17-5) VR-ROUND;RK09K1130-20KB(17-5)	i
i		TAPE DOUBLE FACE: DAERUK NO-701 W3		VR184		VR-ROUND: RKOOK 1136-10KB	i
1	63954-222-989			VR105		VR-SLIDE; RS30B221J10 KAX2	!
CIGI		C-CERANIC TEMP: CC45 SL TAPG 50V 100-J	: :	XT181		CERAMIC RESONATOR:FCR 4.0MC CRYSTAL:P-3(32.768KHZ)	1
C102 C103		C-CERAMIC.TEMP:CC45 CH TAPG 50V 10-D C-CERAMIC.TEMP:CC45 CH TAPG 50V 10-D		XT102 XT102	04335-821-818	CRISTALIF SUSE. (CORRE)	i
C184		C-ELECTROLYTIC(SG):CED4W TAPG 16V 47M	1 2	il i	i	İ	j
C105		C-ELECTROLYTIC(SG); CED4W TAPG 16V 47M					!
C195		C-CERAMIC.HK:CK45 F TAPG 50V 0.1M-Z C-CERAMIC.HK:CK45 B TAPG 50V 680-K	1 1				
CN-AA	63349-684-178		j i	-			
CN-BB	63349-604-140	CONNECTOR WAFER: 53014-0410	j . i	i	69814-603-018	ASSY PHONE: G-8W PAL HI-PI	
CN181	63349-684-288				C1467 117 164	CCCOANIC AVIAL TARE V 16V A ALM	
CN182 CN183	63349-684-166 63349-684-198		1 2	 		C-CERAMIC AXIAL; TAPG Y 16V 0.01-N C-CERAMIC AXIAL; TAPG Y 16V 0.01-N	
CN194	63349-604-146				63005-006-601	PWB-PHONE JACK: 1VB 13X19X1.6(T)	i
CN105	63349-604-130	CONNECTOR WAFER: 53814-8318	1	1	63334-788-588	REMOCON MINI JACK: HSJ0922-01-030	1
CN109	63349-604-130		1	-		,	1
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D117	62169-406-482						-
D118 D119	62169-102-057 62169-102-057	SHOTTKY DIODE; 188188-TA SHOTTKY DIODE; 188188-TA					
D1191	62169-102-057			i i	i		ĺ
D120	62169-102-057			1		,	
	62169-102-057 52169-102-057						1
	62169-102-057 62169-102-057	SHOTTKY DIODE: 188188-TA					i
		DIODE: 1N4148 SAMSUNG	1 #	H 1		•	1
	62309-110-340						1
DL182 DL184	62389-118-348 62389-118-348	and the second s					1
	62169-406-482						i
IC191	62119-401-181	IC;MN1288-S	1 8	H)			1 1
	62119-401-330			H F		1	1
		IC:TMP47C870N-4731 R-METAL FILM;RM 1/8TS 10K-J	: :	1	i		j
R102	61048-177-183	R-METAL FILM:RM 1/8TS 10K-J .		1	i		!
		R-METAL FILM;RM 1/8TS 10K-J		1	!		-
		R-METAL FILM;RM 1/8TS 10K-J R-METAL FILM;RM 1/8TS 2.2K-J		E !			-
		R-METAL FILM:RM 1/815 2.2K-J R-METAL FILM:RM 1/8TS 22M-J	: ::	*	i		i
R187	61048-177-193	R-METAL FILM; RM 1/8TS 10K-J	1 1	# 1	i	1	İ
		R-METAL FILM; RM 1/8TS 6.8K-J			!		1
	62169-486-482 63599-816-878	DIODE; IN4148 SAMSUNG SWITCH-TACT; EVQ-QS2 05K	7 R	F S 1	,		-
		SWITCH-SLIDE; KSA-2440A	1	8	i I		i ·
SW183	63519-873-821	SW-SLIDE:SSS 322 (SVX-319.VX-770.VB-770)		: :	ļ		!
		SWITCH-SLIDE:SSS 323	: " :	1	!		-
		SWITCH-SLIDE:SSS 322 SWITCH-SLIDE:SSS 323		H	i		- 1
	63599-016-078				!		i
SW13		SWITCH-TACT; EVQ-QS2 05K	1	į į	i		!
	63599-816-878			1	!		!
SW17		SWITCH-TACT; EVQ-QS2 05K	1	# I			-
	63599-816-878	SWITCH-TACT; EVQ-QS2 #5K SWITCH-TACT; EVQ-QS2 #5K			i		i
SW18	163599-816-078						i
SW18 SW23 SW25	63599-816-878 63599-816-878		1 1	H 1	1		. !
SW18 SW23 SW25 SW26	63599-016-070 63599-016-070	SWITCH-TACT; EVQ-QS2 OSK SWITCH-TACT; EVQ-QS2 OSK		H 1	!		
SW18 SW23 SW25 SW26 SW27	63599-016-070 63599-016-070 63599-016-070	SWITCH-TACT; EVQ-QS2 @SK		1)))		-

LOCA - NO	PART-NUMBER	DESCRIPTION:SPECIFICATION	REMARK L		PART-NUMBER	DESCRIPTION; SPECIFICATION	REMARI
	ASSY MAIN-A PAR		1 L	£92		COIL-PEAKING:EL0607RA-101K(100UH) TAPG	1
	(AUDIO I/O.VIE	EO.VIDEO OSD.VPS)	IN L			COIL-PEAKING; EL. 9697RA-101K(108UH) TAPG	!
	69857-603-007	ASSY MAIN A:SVX-319 PAL HI-FI V/IO	:SVX-319 11 0		62149-401-265	TRANSISTOR:2SD-1468-Q TRANSISTOR:2SD-1468-Q	í
	69857-663-735	ASSY MAIN A: VX-770 PAL HI-FI V/IO	:VX-770 0		62137-302-740	TRANSISTOR: KSC 945-Y TAPG	İ
	69857-603-737	ASSY MAIN A: VB-778 PAL HI-FI V/IO	:VB-776 ## Q		62137-302-748		!
	69857-603-736	ASSY MAIN A:VI-770 PAL HI-FI V/10 / USED FOR " VPS " SYSTEM.	:VI-770 ## Q		62137-103-380	TRANSISTOR:KSA 733-Y TAPG TRANSISTOR:KSA 733-Y TAPG	i
		USED FOR " MESECAN " SYSTEM.	11 Q			TRANSISTOR; 2SD-1468-Q	i
		USED FOR " OSD" SYSTEM.	11 0			TRANSISTOR; 2SD-1468-Q	ļ
MAIN A		AUDIO ASSY 5:1/O NON PIP PARTS	11 Q			TRANSISTOR:KSC 945-Y TAPG TRANSISTOR:KSR 1003 TAPG	1
MAIN A		ADDIO ADDI 31170 NON 111 1 ARIS				TRANSISTUR: KSR 2003 TAPG	i
RE52		R-METAL FILM:RM 1/8TS 19K-J			61948-177-183		!
QE12	62137-701-012	TRANSISTOR; KSR 1003 TAPG		RE03		R-METAL FILM:RM 1/8TS 470K-J R-METAL FILM:RM 1/8TS 18K-J	1
MAIN A		AUDIO ASSY 7:1/0 MAIN PARTS	H R	RE04	61048-177-474	R-METAL FILM: RM 1/8TS 470K-J	į
	00000 700 400	TROUBER TANK ARRY BALL III ET CORNIL				R-METAL FILM;RM 1/8TS 3.9K-J R-METAL FILM;RM 1/8TS 1.1K-J	!
1		HOLDER JACK ASSY:PAL HI-FI (G-8WH) SCART JACK:HXC 1518-01-300	1 11 R	RE07		R-METAL FILM: RM 1/8TS 3.9K-J	i
i		RIVET; BSR2A ANODIZING	1	RE98	61048-177-112	R-METAL FILM: RM 1/8TS 1.1K-J	1
į	66462-603-420	CONNECTOR-BOARD B; HIPS 94HB	R			R-METAL FILM; RM 1/8TS 75-J	1
!		GROUND-CAP:PBSS T0.5 G-7C JACK-BNC:HXC0322-01-310	1 N R			R-METAL FILM:RM 1/8TS 75-J R-METAL FILM:RM 1/8TS 6.8K-J	i
ŀ		WIRE GND: 1007 #18 278 BLK YY	I II R	RE 12		R-METAL FILM; RM 1/8TS 5.6K-J	İ
j	63519-102-987	SWITCH-SLIDE: KSA-2341	I II R			R-METAL FILM; RM 1/8TS 6.8K-J	1
CERT		PIN JACK;JPJ 3012-01-230 C-ELECTROLYTIC;CE04W TAPG 50V 1M	## R			R-METAL FILM:RM 1/8TS 5.6K-J R-METAL FILM:RM 1/8TS 82K-J	i
CE01 CE02		C-ELECTROLYTIC:CED4W TAPG SOV IN				R-METAL FILM; RM 1/8TS 100K-J	i ·
CE93	61607-402-210	C-ELECTROLYTIC: CEM4W TAPG SWV 1W	## R			R-METAL FILM; RM 1/8TS 82K-J	!
CE04 !		C-ELECTROLYTIC:CEO4W TAPG 50V 1M C-CERANIC AXIAL:TAPG SL50V 0.022M-Z			61848-177-184	R-METAL FILM:RM 1/8TS 100K-J R-METAL FILM:RM 1/8TS 100K-J	1
CE06		C-ELECTROLYTIC(SG):CEN4W TAPG 16V 47M		RE20		R-METAL FILM; RM 1/8TS 188K-J	i
CEO7	61607-401-430	C-ELECTROLYTIC; CED4W TAPG 25V 10N	1 ## R	RE21		R-METAL FILM; RM 1/8TS 188-J	1
CE68		C-ELECTROLYTIC: CED4W TAPG 25V 10N	1 11 R	RE22		R-METAL FILM:RM 1/8TS 180-J R-METAL FILM:RM 1/8TS 3.3K-J	1
CE19		C-ELECTROLYTIC:CE04W TAPG 50V 4.7M C-ELECTROLYTIC:CE04W TAPG 50V 4.7M		RE24		R-METAL FILM; RM 1/8TS 3.3K-J	i
CE11		C-CERAMIC AXIAL: TAPG SLSOV 8.022W-Z	1 HR	RE25	61848-177-332	R-METAL FILM; RM 1/8TS 3.3K-J	1
CEIZ		C-ELECTROLYTIC:CE04W TAPG 25V 10M		RE26		R-METAL FILM; RM 1/8TS 3.3K-J	!
CE13 CE14		C-ELECTROLYTIC(SG); CEM4W TAPG 16V 47M C-ELECTROLYTIC(SG); CEM4W TAPG 16V 47M		RE27 RE28		R-METAL FILM;RM 1/8TS 10K-J R-METAL FILM;RM 1/8TS 10K-J	i
CE15		C-CERAMIC AXIAL; TAPG SLSOV 0.022N-Z		RE29		R-METAL FILM; RM 1/8TS 10K-J	1
CE16		C-ELECTROLYTIC(SG); CE04W TAPG 16V 47W		RE39		R-METAL FILMERM 1/8TS 15K-J	!
CE17 CE18		C-CERAMIC.HK:CK45 F TAPG 50V 0.1M-Z C-ELECTROLYTIC(SG):CE04W TAPG 16V 47M		RE31 RE32		R-METAL FILM;RM 1/8TS 10K-J R-METAL FILM;RM 1/8TS 10K-J	1
CE19		C-CERANIC-HK; CK45 F TAPG 58V 8.1M-Z		RE33		R-METAL FILM; RM 1/8TS 10K-J	į
CE28		C-ELECTROLYTIC:CES4W TAPG 58V 2.2M]			R-METAL FILM; RM 1/8TS 33K-J	į
CE21		C-ELECTROLYTIC:CE04W TAPG 50V 1M C-ELECTROLYTIC:CE04W TAPG 50V 1M				R-METAL FILM;RM 1/8TS 22K-J R-METAL FILM;RM 1/8TS 22K-J	i
CE23	61607-402-220	C-ELECTROLYTIC; CEB4W TAPG 56V 2-2N	11 R			R-METAL FILM; RW 1/8TS 3.9K-J	į.
CE24		C-ELECTROLYTIC:CE04W TAPG 16V 100M(SG) C-ELECTROLYTIC:CE04W TAPG 50V 2.2M				R-METAL FILM;RM 1/8TS 1K-J R-METAL FILM;RM 1/8TS 1K-J	1
CE25 CE26		C-ELECTROLYTIC; CEO4W TAPG SOV 1M				R-METAL FILM: RM 1/8TS 27K-J	į
CE29	61607-402-210	C-ELECTROLYTIC; CEO4W TAPG 50V IN	I II R			R-METAL FILMERN 1/8TS 18K-J	1
CE30		C-ELECTROLYTIC: CEDAW TAPG SOV IN		RE43		R-METAL FILM;RM 1/8TS 27K-J R-METAL FILM;RM 1/8TS 18K-J	1
CE31	61607-402-210	C-ELECTROLYTIC:CED4W TAPG SDV IN C-ELECTROLYTIC(SG):CED4W TAPG I6V 47M	II R			R-METAL FILM; RM 1/8TS 479-J	i
CE33	61407-117-104	C-CERAMIC AXIAL; TAPG Y 16V 8.81-N		RE46	61848-177-682	R-METAL FILM; RM 1/8TS 6.8K-J	•
CE34		C-ELECTROLYTIC: CEO4W TAPG 50V 4.7M				R-METAL FILM:RM 1/8TS 180K-J R-METAL FILM:RM 1/8TS 180K-J	1
CE35		C-ELECTROLYTIC:CE04W TAPG 50V 4.7M C-ELECTROLYTIC:CE04W TAPG 50V 4.7M	i iii R			R-METAL FILM: RM 1/8TS 7.5KJ	i
CE37	61407-117-228	C-CERANIC AXIAL: TAPG SLSOV 0.022M-Z	1 ## R	RES1	61848-177-103	R-METAL FILM; RM 1/8TS 10K-J	!
CE38		C-ELECTROLYTIC:CE04W TAPG 50V 1M	1 11 R] R-METAL FILM;RM 1/8TS 3.3KJ] R-METAL FILM;RM 1/8TS 188-J	; 1
CE39		C-ELECTROLYTIC:CE04W TAPG 50V 1M C-CERAMIC HK:CK45 B TAPG 50V 0.0022M-K	I R			R-METAL FILM; RM 1/8TS 3.3K-J	i
CE41	61417-109-050	C-CERAMIC HK; CK45 B TAPG 50V 8.0022M-K	1 ## R	RE56	61948-177-191	R-METAL FILM: RM 1/8TS 100-J	!
CE42		C-CERAMIC HK:CK45 B TAPC 50V 9.8822M-K	## R			R-METAL FILM:RM 1/8TS 3.3K-J R-METAL FILM:RM 1/8TS 10K-J) i
CE43		C-CERAMIC HK:CK45 B TAPG 50V 8.8022M-K C-CERAMIC HK:CK45 B TAPG 50V 8.0022M-K	i iii R			R-METAL DXIDE; RS 2P 68-J	i
CE45	61417-109-050	C-CERAMIC HK; CK45 B TAPG 50V 0.0022M-K	1 1 R	RE61	61948-177-102	R-METAL FILM; RM 1/8TS 1K-J)
CE46	61417-189-858	C-CERAMIC HK:CK45 B TAPG 58V 8.8622M-K) ## R			R-METAL FILM; RM 1/8TS 1K-J	!
CE47 CE48		C-CERAMIC HK:CK45 B TAPG 50V 0.0022M-K C-ELECTROLYTIC:CE04W TAPG 50V 2.2M	1 1 R	VREGI		R-METAL FILM;RM 1/8TS 10K~J VR-SEMI;RH0615C 4.7KB	i
CE49		C-ELECTROLYTIC:CEB4W TAPG 16V 22M	1 ## V	VRE02	61246-105-472)
CNE 01	63349-62-360	CONNECTOR-WAFER; 5267-07A	1 11	}			1
CNES2		CONNECTOR-WAFER; 5267-85A CONNECTOR-WAFER; 5267-11A	1 11	1			p l
CNE 04		CONNECTOR-WAFER: 5267-11A	1 11	i		İ	j
CNE 06	63349-681-327	CONNECTOR WAFER: 5233-10A	1 11	İ		!	}
CNE 87		CONNECTOR-WAFER: 5233-83A	1 ##				1
CNESS		CONNECTOR-WAFER; 5233-84A DIODE; 1N4148 SAMSUNG	1 11	1			
DE#2	62169-486-482	DIODE: 1N4148 SAMSUNG	1 11	i		!	
DE03		DIODE: 144148 SAMSUNG	1 11			1)
DE04		DIODE: 144148 SAMSUNG DIODE: 144148 SAMSUNG	1 ##	1		1	
[CEO1]	62119-183-684		1 11	i		į	i
ICE82	62119-103-681		1 11	1			_
ICE83	62119-103-693		1 11 11				1

LOCA NO	PART-NUMBER	DESCRIPTION:SPECIFICATION		II LOCA NO	PART-NUMBER	DESCRIPTION: SPECIFICATION	REMAR
MAIN A		VIDEO-PART (2H); PAL. HI-FI SEC		C396	61607-401-460		!
	63885-866-529	PWB-VIDED(VX-770);94V0 1.6X163X330	S.N.A	## C397	61487-117-184 61687-482-218	C-CERAMIC AXIAL; TAPG Y 16V 8.81-N C-ELECTROLYTIC; CE84W TAPG 50V 1M	1
	64544-615-818			C498	61687-401-448		j
j		SHIELD-CASE BASE.A:SPTE T0.25		11 C401		C-ELECTROLYTIC: CEGAW TAPG 25V 10M	i
1	64544-615-819		I S.N.A	11 C402	61689-482-182	C-ELECTROLYTIC; CEB4W 6.3V 1800M(SG)	i
-	64544-616-010		S.N.A		61407-117-104		1
. !	64544-615-918		S.N.A		61609-401-116	C-ELECTROLYTIC: CE84W 10V 220M	!
!		SHIELD-CASE TOP B:SPTE TO.25	S.N.A			C-CERAMIC.TEMP: CC45 SL TAPG 50V 220-J	!
cana i	63054-212-340			C496	61607-401-460	C-ELECTROLYTIC(SG):CEGAW TAPG 16V 47N	1
C302 C303		C-CERAMIC.TEMP:CC45 SL TAPG 50V 478~J C-CERAMIC.TEMP:CC45 CN TAPG 50V 120~J		## C407 ## C408		C-ELECTROLYTIC(SG); CEO4W TAPG 16V 47M C-CERANIC.TEMP; CC45 CH TAPG 50V 27-J	1
C364		C-ELECTROLYTIC: CEO4W TAPG 50V 1M		1 C409		C-CERAMIC.TEMP:CC45 SL TAPG SOV 100-J	
C385		C-CERANIC AXIAL; TAPG Y 16V 0.81-N		# C418		C-ELECTROLYTIC(SG):CED4W TAPG 16V 47W	i
C366		C-CERAMIC AXIAL; TAPG Y 16V 8.01-N		11 C411		C-CERAMIC AXIAL; TAPG Y 16V 0.01-N	i
C387	61689-481-118	C-ELECTROLYTIC:CE04W 10V 220M	1	1 C412		C-CERANIC TEMP: CC45 CH TAPG 50V 27-J	i
C308	61507-121-371	C-POLYESTER; CQ921M TAPG SOV 0.0018M-J		C413	61487-117-184	C-CERANIC-AXIAL; TAPG Y 16V 0.01-N	1
C309		C-ELECTROLYTIC: CES4W TAPG 58V 8.33M(SV)		C414		C-CERAMIC.TEMP: CC45 SL TAPG SEV 15-J	1
C319		C-CERANIC TEMP:CC45 SL TAPG 50V 330-J		C415		C-CERAMIC AXIAL; TAPG Y 16V 0.81-N	. !
C312		C-CERANIC TEMP: CC45 SL TAPG 50V 47J		C416		C-ELECTROLYTIC(SG); CED4W TAPG 16V 47M	!
C314		C-CERANIC AXIAL: TAPG Y 16V 0.01-N		C417		C-CERAMIC AXIAL; TAPG Y 16V 0.01-N	
C315 C316		C-ELECTROLYTIC:CE04W 10V 220M C-CERAMIC.TEMP:CC45 SL TAPG 50V 100-J		C418		C-CECANIC AVIA: TARC V 16V 8 81-M	1
C317		C-ELECTROLYTIC; CEO4W TAPG 50V 3.3M		C422 C429		C-CERAMIC AXIAL; TAPG Y 16V 0.01-N C-CERAMIC.HK; CK45 F TAPG 50V 0.001M-2	
C318		C-ELECTROLYTIC:CEMAN TAPO 36V 3.3M	: :	C429		C-CERAMIC TEMP: CC45 SL TAPG SOV 338-J	i
C319		C-ELECTROLYTIC; CEB4W TAPG 58V 2.2M		II C431		C-ELECTROLYTIC; CEGAW TAPG 50V 0.47M	i
C320		C-ELECTROLYTIC:CEM4W TAPG 58V 3.3M		1 C432		C-CERANIC TEMP: CC45 SL TAPG SOV 330-J	j
C321	61687-491-468	C-ELECTROLYTIC (SG) : CEB4W TAPG 16V 47M		C433		C-ELECTROLYTIC: CEN4W TAPG 25V 1.22N	İ
C322		C-CERAMIC AXIAL; TAPG Y 16V 8.81-N		C434	61607-134-014	C-ELECTROLYTIC: CE04W TAPG 50V 1.1M	1
C323		C-ELECTROLYTIC:CEB4W TAPG 58V 1M		C435		C-CERANIC AXIAL; TAPG Y 16V 0.01-N	1
C324		C-ELECTROLYTIC(SG); CEB4W TAPG 16V 47M		C436		C-ELECTROLYTIC(SG); CEGAW TAPG 16V 47M	1
C325		C-CERANIC.TEMP:CC45 CH TAPG SOV 39-J C-ELECTROLYTIC:CE04W TAPG SOV IM		C438		C-CERAMIC.TEMP: CC45 S1. TAPG S8V 220-J	1
C327		C-ELECTROLYTIC:CES4W TAPG 50V IN		C439 C440		C-ELECTROLYTIC(SG):CE04W TAPG 16V 47N C-ELECTROLYTIC:CE04W TAPG 56V 1N	i
C328		C-ELECTROLYTIC:CE04W TAPG 25V 10M		C460		C-CERAMIC.TEMP:CC45 CH TAPG 58V 27-J	
329		C-ELECTROLYTIC; CE04W TAPG 50V IN	: :	C461		C-ELECTROLYTIC(SG); CEBAW TAPG 16V 47M	i
C330		C-ELECTROLYTIC(SG):CE04W TAPG 16V 47M	1	C462		C-ELECTROLYTIC(SG); CE04W TAPG 16V 47W	i
2331		C-ELECTROLYTIC:CE04W 10V 220M	1 1	C463		C-ELECTROLYTIC(SG): CED4W TAPG 16V 47W	i
332	61607-401-460	C-ELECTROLYTIC(SG); CE04W TAPG 16V 47M	1 1	C464		C-CERAMIC AXIAL; TAPG Y 16V 0.01-N	i
2333	61417-109-040	C-CERANIC-HK; CK45 F TAPG 50V 0.001M-Z	1	1 C465	61607-401-468	C-ELECTROLYTIC(SG); CE94W TAPG 16V 47N	1
2333		C-CERAMIC TEMP; CC45 SL TAPG 56V 398-J		C466	61417-109-640	C-CERAMIC.HK; CK4S F TAPG SOV 0.001 M-Z	1
2334		C-CERANIC AXIAL; TAPG Y 16V 0.01-N		C468		C-ELECTROLYTIC(SG); CE04W TAPG 16V 47M	!
335 336		C-CERANIC AXIAL; TAPG Y 16V 0.01-N		C478		C-CERAMIC.HK; CK45 F TAPG SOV 0.001M-Z	!
		C-CERANIC.TEMP:CC45 SL TAPG 50V 478-J C-ELECTROLYTIC(SG):CE04W TAPG 16V 47M		C471 C472		C-CERAMIC AXIAL: TAPG Y 16V 8.01-N C-CERAMIC. TEMP; CC45 SL TAPG 50V 560-J	1
2338		C-ELECTROLYTIC; CED4W TAPG 25V 10W		C473		C-CERANIC.TEMP; CC45 SL TAPG 50V 560-J	1
		C-ELECTROLYTIC:CEO4W TAPG 25V 10M		C475		C-CERAMIC AXIAL: TAPG Y 16V 8.01-N	i
348		C-CERAMIC AXIAL; TAPG Y 16V 0.01-N		C479		C-CERAMIC. TEMP; CC45 CH TAPG 58V 39-J	i
341	61687-481-468	C-ELECTROLYTIC(SG):CED4W TAPG 16V 47M	1	# C483		C-CERAMIC TEMP: CC45 SL TAPG 50V 47J	1
342		C-ELECTROLYTIC(SG); CES4W TAPG 16V 47M		# C487	61407-101-483	C-CERAMIC TEMP; CC45 SL TAPG 50V 47 J	1
343	61407-117-104			C488	61687-481-468	C-ELECTROLYTIC(SG): CE04W TAPG BV 47M	!
		C-CERAMIC AXIAL: TAPG Y 16V B.81-N C-CERAMIC. TEMP: CC45 CH TAPG 58V 8-D		C498 C493		C CERAMIC TEMP; CC45 CH TAPG 58V 39-J	1
		C-CERANIC AXIAL; TAPG Y 16V 0.01-N		C494		C-CERAMIC.TEMP:CC4S CH 50V 56-J C-CERAMIC.TEMP:CC4S CH 50V 56-J	
		C-ELECTROLYTIC: CE04W TAPG SOV 4.7M		C495		C-ELECTROLYTIC: CE04W TAPG 16V 33M	OPTION
,		C-CERANIC-HK; CK45 F TAPG SOV 0.001N-Z				CONNECTOR WAFER: 5233-12A	1
		C-CERANIC. TEMP: CC45 CH TAPG SOV 10-D		# CN302	63349-062-400	CONNECTOR -WAFER: 5267-11A	i
		C-CERAMIC. TEMP; CC45 SL TAPG 50V 220-J		# CN383	63349-062-390	CONNECTOR-WAFER: 5267-10A	i
		C-CERAMIC AXIAL; TAPG Y 16V 8.81-N		CN384	63349-601-321	CONNECTOR-WAFER; 5233-84A	İ
		C-CERAMAC.HK;CK45 F TAPG 50V 0.001M-Z		CN386	63349-691-321	CONNECTOR-WAFER: 5233-84A	1
		C-ELECTROLYTIC: CEB4W TAPG 58V 8.33M(SV)		CN388	63349-062-310	CONNECTOR-WAFER: 5267-02A	1
		C-ELECTROLYTIC: CE04W TAPG 50V 4.7M		D302	62169-406-482		!
		C-ELECTROLYTIC(SG); CEO4W TAPG 16V 47M	: :	0384	62169-406-482	DIODE: 1N4148 SANSUNG	I OPPE CONT
		C-CERAMIC AXIAL: TAPC Y 16V 8.01-N		D305		DIODE: 144148 SANSUNG	IOPTION
		C-CERAMIC AXIAL; TAPG Y 16V 0.01-N C-ELECTROLYTIC(SG): CE04W TAPG 16V 47N		D306 D313	62169-486-482	DIODE: 194148 SAMSUNG DIODE: 194148 SAMSUNG	OPTION
		C-CERANIC. TEMP; CC45 CH TAPG 50V 82-J		DI.301	64569-006-011	The state of the s	1
		C-CERANIC. TEMP: CC45 CH TAPG 56V 27-J		FL301		FILTER-LC;SFB 4141	i
		C-CERAMIC AXIAL: TAPG Y 16V 0.01-N		FL302		FILTER-LC;Q0138-C (3M LPF)	1
		C-ELECTROLYTIC: CEO4W TAPG 25V 10N		FL383		FILTER-CERAMIC: SFE 4.5MB	OPTION
363			OPTION 3			COIL-TRAP(1/2FH);7.8K TUNING-COL	OPTION
			IOPTION 3			FILTER-LC:SANG SHIN BP638 C-T	
			OPTION 3			IC(HYBRID); EHM-X6W78Y07	!
			OPTION 3			IC(HYBRID); EHM-X6546Y08	!
			OPTION 3		62119-103-691		1
		C-ELECTROLYTIC:CEM4W TAPG 25V 33M C-POLYESTER:CQ921M TAPG 100V W.622M-K	OPTION 3	10304 10305	62119-183-692		!
		C-ELECTROLYTIC: CE04W TAPG 25V 10M			62119-103-699 62119-103-696		
		C-ELECTROLYTIC:CEG4W TAPG 56V 4.7M			62119-103-694		OPTION
		C-CERAMIC AXIAL: TAPG Y 16V 0.01-N			62119-193-698		OL I TUN
		C-CERAMIC AXIAL: TAPG Y 16V 0.01-N			62119-103-693		1
		C-CERAMIC AXIAL; TAPG Y 16V 9.01-N			62119-103-702		i
383		C-ELECTROLYTIC: CEO4W TAPG 50V IN			62119-103-701		i
384	81607-401-468	C-ELECTROLYTIC(SG):CEB4W TAPG 16V 47N				IC: M:7805C SST	1
385		C-CERAMIC.HK:CK45 F TAPG 58V 8.881M-Z				WIRE-JUMPER(H-WRAP); 1987 #26-SOID WHT 1	2
		C-CERAMIC. TEMP: CC45 CH TAPG 50V 5-D		L383	62427-812-101	COIL-PEAKING; ELOGOGRA-101J(100U) TAPC	1
		C-CERAMIC AXIAL; TAPG Y 16V 8.01-N				COIL-PEAKING; ELOGOGRA-151J(150U) TAPG	1
		C-ELECTROLYTIC; CE04W 10V 220N				COIL-PEAKING; ELOGOGRA-180J(18UH) T PG	! -
		C-CERAMIC AXIAL; TAPG Y 16V 8.81-N				COIL-PEAKING: EL0606RA-101J(100U) TAPG	!
		C-CERAMIC.HK;CK45 F TAPG 58V 0.847M-Z				COIL-PEAKING: ELOGOGRA-151J(150U) TAPG	

LOCA: NO	PART-NUMBER	DESCRIPTION; SPECIFICATION	REMARK	LOCA-NO	PART-NUMBER	DESCRIPTION: SPECIFICATION	REMARK
L311		COIL-PEAKING: EL0606RA-151J(150UH) TAPG		R326		R-METAL FILM:RM 1/8TS (K-J	!
L313		COIL-PEAKING; ELBGBGRA-150J(15UH) TAPG		R327		R-METAL FILM:RM 1/8TS 680-J	!
L314 L315	62427-812-101	COIL-PEAKING;ELB686RA-181J(1889H) TAPG COIL-PEAKING;ELB686RA-158J(159H) TAPG		R328		R-METAL FILM;RM 1/8TS 1.8K-J R-METAL FILM;RM 1/8TS 2.7K-J	-
L316	62427-812-181			R330		R-METAL FILM:RM 1/8TS 829-J	i
1317	62427-812-181			# R331		R-NETAL FILM; RM 1/8TS 1K-J	!
L318 L319		COIL-PEAKING:ELBGBGRA-33UH TAPG COIL-PEAKING:ELBGBGRA-82UH TAPG		R333		R-METAL FILM:RM 1/8TS 12K-J R-METAL FILM:RM 1/8TS 270-J	1
L321		COIL-PEAKING:EL0606RA-101J(100UH) TAPG		R335		R-METAL FILM: RM 1/8TS 3.9K-J	i
L322		COIL-PEAKING; ELB606RA-191J(100UH) TAPG	1	R336	61948-177-182	R-METAL FILM: RM 1/8TS 1.8K-J	i
L323		COIL-PEAKING; ELDGOGRA-470J(47UH) TAPG				R-METAL FILM:RM 1/8TS 478-J	ļ
L324 L326		CDIL-PEAKING;ELB686RA-18IJ(198UH) TAPG CDIL-PEAKING;EL8686RA-18IJ(188UH) TAPG		# R338 # R339		R-METAL FILM:RM 1/8TS 33B-J R-METAL FILM:RM 1/8TS 3.9K-J	- 1
L327		COIL-PEAKING: ELBSOGRA-180J(18UH) TAPG		R340		R-METAL FILM; RM 1/8TS 390-J	i
1.328		COIL-PEAKING: ELBGOGRA-101J(100UH) TAPG		R344		R-METAL FILM; RM 1/8TS 1K-J	İ
L329		COIL-PEAKING; ELOGOGRA-82UH TAPG				R-METAL FILM; RM 1/8TS 1K-J	- !
L333		COIL-PEAKING:EL0606RA-101J(100UH) TAPG COIL-PEAKING:EL8606RA-101J(100UH) TAPG		R347 R348		R-METAL FILM:RM 1/8TS 390-J R-METAL FILM:RM 1/8TS 3.3K-J	- 1
L339		COIL-PEAKING; ELBSOGRA-470J(47UH) TAPG		: :		R-METAL FILM: RM 1/8TS 18K-J	OPTION 3
Q301		TRANSISTOR: KSR 1003 TAPG				R-METAL FILM; RM 1/8TS 1K-J	IOPTION 3
Q382		TRANSISTOR: KSC 945-Y TAPC		R351		R-METAL FILM: RM 1/8TS 22K-J	IOPTION 3
Q304 Q306		TRANSISTOR: KSC 945-Y TAPG TRANSISTOR: KSC 945-Y TAPG		R352 R353		R-METAL FILM;RM 1/8TS 1K-J R-METAL FILM;RM 1/8TS 2.2K-J	OPTION 3
Q307		TRANSISTOR: KSC 945-Y TAPG				R-METAL FILM: RM 1/8TS 150K-J	IOPTION 3
Q308		TRANSISTOR: KSA 733-Y TAPG				R-METAL FILM: RM 1/8TS 1.5K-J	OPTION 3
Q389 Q311		TRANSISTOR:KSR 1903 TAPG TRANSISTOR:KSR 2003 TAPG		R357 R358		R-METAL FILM:RM 1/8TS 180K-J R-METAL FILM:RM 1/8TS 1K-1	OPTION 3
Q312		TRANSISTOR; KSC 945-Y TAPG				R-METAL FILM:RM 1/8TS 1K-J R-METAL FILM:RM 1/8TS 1K-J	
Q313		TRANSISTOR: KSA 733-Y TAPG	1	1 R360		R-METAL FILM; RM 1/8TS 4.7K-J	i
Q314	62137-302-740	TRANSISTOR: KSC 945-Y TAPG	: :	R361		R-METAL FILM:RM 1/8TS 8.2K-J	!
Q315 Q316	62137-103-380 62137-302-740	TRANSISTOR:KSA 733-Y TAPG TRANSISTOR:KSC 945-Y TAPG	: :	R362 R363		R-METAL FILM;RM 1/8TS 4.7K-J R-METAL FILM;RM 1/8TS 4.7K-J	- 1
Q317		TRANSISTOR: KSC 945-Y TAPC				R-METAL FILM; RM 1/8TS 2.7K-J	
Q318	62137-791-012		OPTION 3		61848-177-222	R-METAL FILM; RM 1/8TS 2.2K-J	i
Q319	62137-302-740			R366		R-METAL FILM; RM 1/8TS 390-J	
Q328 Q321	62137-382-748	TRANSISTOR;KSC 945-Y TAPG TRANSISTOR;KSC 945-Y TAPG		R367 R378		R-METAL FILM;RM 1/8TS 1K-J R-METAL FILM;RM 1/8TS 1.8K-J	1
Q322		TRANSISTOR: KSR 2003 TAPG		R371		R-METAL FILM: RM 1/8TS 1K-J	í
Q323	62137-382-748			# R372		R-METAL FILM:RM 1/8TS IK-J	i
Q324	62137-302-740		! !			R-METAL FILM; RM 1/8TS 1K-J	1
Q325 Q326		TRANSISTOR:KSA 733-Y TAPG TRANSISTOR:KSR 2003 TAPG	OPTION 3			R-METAL FILM;RM 1/8TS 680-J R-METAL FILM;RM 1/8TS 4.7K-J	1
Q327		TRANSISTOR: KSC 945-Y TAPG		R376		R-METAL FILM; RM 1/8TS 680-J	i
Q328		TRANSISTOR: KSC 945-Y TAPG		R377		R-METAL FILM; RM 1/8TS 47-J	!
Q329		TRANSISTOR: KSA 733-Y TAPC				R-METAL FILM; RM 1/8TS 22K-J	!
Q333 Q334		TRANSISTOR:KSC 945~Y TAPG TRANSISTOR:KSC 945-Y TAPG	1 1			R-METAL FILM;RM 1/8TS 12K-J R-METAL FILM;RM 1/8TS 158-J	
Q335		TRANSISTOR: KSA 733-Y TAPG	i i			R-METAL FILM; RM 1/8TS 828-J	i
Q336		TRANSISTOR: KSC 945-Y TAPG	: ::	1 K382		R-METAL FILM: RM 1/8TS 1K-J	!
		TRANSISTOR:KSC 945-Y TAPG TRANSISTOR:KSA 733-Y TAPG				R-METAL FILM;RM 1/8TS 1.2K-J R-METAL FILM;RM 1/8TS 1.8K-J	ì
		TRANSISTOR; KSA 928A-Y TAPG E-C-B		R385		R-METAL FILM: RM 1/8TS 5.6K-J	i
		TRANSISTOR: KSR 2003 TAPG	1 1			R-METAL FILM: RM 1/8TS 2.7K-J	!!!
Q341 Q342		TRANSISTOR: KSA 928A-Y TAPG E-C-B TRANSISTOR: KSA 733-Y TAPG	1 1			R-METAL FILM;RM 1/8TS 8.2K-J R-METAL FILM;RM 1/8TS 6.8K-J	- !
		TRANSISTOR; KSR 1003 TAPG				R-METAL FILM; RM 1/8TS 22K-J	
		TRANSISTOR: KSR 1003 TAPG	i i	R390		R-METAL FILM: RM 1/8TS 12K-J	i
		TRANSISTOR; KSR 1003 TAPG				R-METAL FILM; RM 1/8TS 100K-J	1
	62137-302-740	TRANSISTOR: KSC 945-Y TAPG TRANSISTOR: KSC 945-Y TAPG			61048-177-473 61048-177-562	R-METAL FILM:RM 1/8TS 47K-J R-METAL FILM:RM 1/8TS 5.6K-J	
	62137-302-740					R-METAL FILM:RM 1/8TS 5.6K-J	, i
Q349	62137-392-748	TRANSISTOR; KSC 945-Y TAPG	1 1	R395	61048-177-104	R-METAL FILM; RM 1/8TS 188K-J	i i
		TRANSISTOR; KSR 1003 TAPG				R-METAL FILM:RM 1/8TS 18K-J	
		TRANSISTOR: KSR 2003 TAPG TRANSISTOR: KSR 1003 TAPG				R-METAL FILM;RM 1/8TS 1K-J R-METAL FILM;RM 1/8TS 1K-J	
		R-METAL FILM; RM 1/8TS 180K-J				R-METAL FILM; RM 1/8TS 2.7K-J	
R302	61048-177-225	R-METAL FILM; RM 1/8TS 2.2M-J	1	R494	61848-177-393	R-METAL FILM:RM 1/8TS 39K-J	i i
		R-METAL FILM:RM 1/8TS 478-3				R-METAL FILM; RM 1/8TS 2.7K-J	
		R-METAL FILM;RM 1/8TS 470-J R-METAL FILM;RM 1/8TS 3-9K-J				R-METAL FILM;RM 1/8TS 470-J R-METAL FILM;RM 1/8TS 1K-J	1 1
		R-METAL FILM; RM 1/8TS 1K-J				R-METAL FILM:RM 1/8TS 1K-J	i
R307	61948 -177-192	R-METAL FILM: RM 1/8TS 1K-J	1 2 1	R409	61848-177-568	R-METAL FILM: RM 1/8TS 56-J	_ [_ [
		R-METAL FILM: RM 1/8TS 2.7K-J				R-METAL FILM; RM 1/8TS 75-J	
		R-METAL FILM:RM 1/8TS 278-J R-METAL FILM:RM 1/8TS 22K-J				R-METAL FILM;RM 1/8TS 470-J R-METAL FILM;RM 1/8TS 470-J	
R312		R-METAL FILM; RM 1/8TS 1.8K-J	1 1	R413	61948-177-471	R-METAL FILM: RM 1/8TS 470-J	i i
		R-METAL FILM; RM 1/8TS 27K-J				R-METAL FILM: RM 1/8TS 2.7K-J	·
		R-METAL FILM:RM 1/8TS 10K-J R-METAL FILM:RM 1/8TS 4.7K-J				R-METAL FILM:RM 1/8TS 47K-J R-METAL FILM:RM 1/8TS 1K-J	
		R-METAL FILM: RN 1/8TS 680K-J				R-METAL FILMSRM 1/8TS 47K-J	
R317	61848-177-684	R-METAL FILM; RM 1/8TS 688K-J) H	R420	61048-177-272	R-METAL FILM; RM 1/8TS 2.7K-J	i i
		R-METAL FILM; RM 1/8TS 10K-J				R-METAL FILM:RM 1/8TS 1M-J	1
		R-METAL FILM:RM 1/8TS 3K-J R-METAL FILM:RM 1/8TS 5.6K J				R-METAL FILM:RM 1/8TS 1M-J R-METAL FILM:RM 1/8TS 4.7K-J	
		R-METAL FILM: RM 1/8TS 1.2K-J				R METAL FILM: RM 1/8TS 2-2K-J	1
R321		R-METAL FILM: RM 1/8TS 2.7K-J				R-METAL FILM; RM 1/8TS 15K-J	i i
R322			: :::::::::::::::::::::::::::::::::::::				
R322 R323	61848 - 177-473	R-METAL FILM; RW 1/8TS 47K-J		R426		R-METAL FILM; RM 1/8TS 15K-J	
R322 R323 R324	61848 - 77-473 61848 - 77-153		1 #1 1 B1	R426 R427	61048-177-222	R-METAL FILM; RM 1/8TS 15K-J R-METAL FILM; RM 1/8TS 2.2K-J R-METAL FILM; RM 1/8TS 3.3K-J	

LOCA MO	PART-NUMBER	DESCRIPTION: SPECIFICATION	REMARK	LOCA-NO	PART-NUMBER	DESCRIPTION: SPECIFICATION	REMAR
R430		R-METAL FILM:RM 1/8TS 6.8K-J		1	69812-603-010	ASSY PRE AMP: 2HEAD G8W PAL HI-FI	
R431		R-METAL FILM:RM 1/8TS 1.5K-J		*	63805-186-635	PWB-PRE AMP(VX-770):94V0 1.6X139X189.5	S.N.A
432 433		R-METAL FILM:RM 1/8TS 1.5K-J R-METAL FILM:RM 1/8TS 478-J	: :		64543-605-918		S.N.A
434		R-METAL FILM:RN 1/8TS 3.3K-J		i i	64543-605-810	SHIELD CASE B3:SPTE 0.3T	S.N.A
435		R-METAL FILM: RM 1/8TS 2.2K-J		C1	61407-105-320	C-CERANIC.TEMP; CC45 CH TAPG SOV 82-J	İ
436		R-METAL FILM: RM 1/8TS 3.3K-J		# C10		C-ELECTROLYTIC: CE04W TAPG 50V IM	ļ
458		R-METAL FILM; RM 1/8TS 15K-J		C11		C-CERAMIC.TEMP:CC45 CH TAPG SOV 68-J	!
451		R-METAL FILM:RM 1/8TS 1.2K-J		C12		C-ELECTROLYTIC(SG); CENAW TAPG 16V 47M	<u> </u>
452		R-METAL FILM:RM 1/8TS 1K-J R-METAL FILM:RM 1/8TS 330K-J		C13 C15		C-CERAMIC AXIAL; TAPG Y 16V 0.81-N C-CERAMIC.HK; CK45 F TAPG 50V 0.001M-Z	ļ
453 454		R-METAL FILM; RM 1/8TS 470-J		C16		C-CERANIC AXIAL; TAPG Y 16V 8-81-N	i
455		R-METAL FILM:RM 1/8TS 18K-J		C17		C-ELECTROLYTIC; CES4W TAPG 16V 4.7M-M	İ
456		R-METAL FILM:RM 1/8TS 100K-J		# C18		C-CERANIC; CG45XTAPG 25V 0.047-N	!
457		R-METAL FILM; RM 1/8TS 100-J		I C19		C-CERAMIC.TEMP; CC45 CH TAPG SOV 22-J	1
458		R-METAL FILM; RN 1/8TS 4.7K-J		C2		C-CERAMIC TEMP; CC45 SL TAPG 50V 47J C-CERAMIC TEMP; CC45 CH TAPG 50V 33-J	!
468		R-METAL FILM:RM 1/8TS 2.7K-J R-METAL FILM:RM 1/8TS 2.2K-J		C20		C-ELECTROLYTIC; CENAW TAPG 16V 4.7M-N	1
1461 - 1 1476		R-METAL FILM:RM 1/8TS 10K-J		C22		C-CERAMIC AXIAL; TAPG Y 16V 0.01-N	i
477		R-METAL FILM:RN 1/8TS 820-J		C23		C-CERAMIC:CG45XTAPG 25V 0.047-N	ĺ
478		R-METAL FILM:RN 1/8TS 330-J	1 . 1	C24		C-CERAMIC.TEMP:CC45 CH TAPG 50V 18-J	ļ
479		R-METAL FILM; RM 1/8TS 330-J		C3		C-CERANIC.TEMP:CC45 CH TAPG 50V 39-J	1
		R-WETAL FILM; RM 1/8TS 188-J		C4		C-CERAMIC.TEMP; CC45 SL TAPG SOV 180-J	l L
488		R-METAL FILM:RM 1/8TS 220-J		C5		C-CERAMIC AXIAL; TAPG Y 16V 0.01-N C-CERAMIC AXIAL; TAPG Y 16V 0.01-N	İ
481 486		R-METAL FILM;RM 1/8TS 22K-J R-METAL FILM;RM 1/8TS 6.8K-J		C7		C-CERANIC AXIAL; TAPG Y 16V 0.01-N	i
498		R-METAL FILM:RM 1/8TS 330-J		C8 1		C-ELECTROLYTIC(SG); CEDAW TAPG 16V 47M	
491	61848-177-391	R-METAL FILM:RM 1/8TS 390-J	1	C9	61487-117-184	C-CERANIC AXIAL; TAPG Y 16V 0.01-N	ļ .
492	61048-177-153	R-METAL FILM:RM 1/8TS 15K-J		CNI	63349-661-888		!
		R-METAL FILM:RM 1/8TS 18K-J		CN2	63349-601-050	i	1
		R-METAL FILM:RM 1/8TS 51-J		CN3	63349-867-818		i
		SHOTTKY DIODE; ISS188-TA PIN-TEST POINT; BSW 1/4H PI1-8 SN		I CN4	63349-067-040 62119-102-534		i
		PIN-TEST POINT; BSW 1/4H PI1.0 SN		LI	62427-812-181		i
C301	61829-301-120			112	62427-812-181		1
R302		VR-SEMI; RH0615C 1KB		1.3	62427-812-161		!
	61246-105-102			I LA		COIL-PEAKING: EL0606RA-270J(27UH) TAPG	!
R305	61246-105-102			L5	62427-812-270		!
R388	61246-105-102		: ::	1.6 Q1	62427-812-101 62137-382-748		i
R309 T301	61246-105-102 64539-012-091			02		TRANSISTOR: KSR 1003 TAPG	i
T302	64539-012-093	CRYSTAL; 4.486251M		R1		R-METAL FILM; RM 1/8TS 3.3K-J	İ
T303	64539-012-094	CRYSTAL: 17.734476M		# R19	61048-177-271	R-METAL FILM: RM 1/8TS 270-J	ļ
T304	64539-182-319	CERANIC RESONATOR; CSB508E5	: "	R11		R-METAL FILM: RM 1/8TS 828-J	1
AIN A		VIDEO OSD-PART; PAL HI-FI (SUA) (OSD USE)	OPTION 4		61048-177-391	R-METAL FILM:RM 1/8TS 4.7-J R-METAL FILM:RM 1/8TS 398-J	•
-	63863-616 616	LEAD CONN ASSY: 1429 #26 A RED AA CNEW9		R2 R3	61048-177-222 61048-177-181	R-METAL FILM;RM 1/8TS 2.2K-J R-METAL FILM;RM 1/8TS 180-J	1
419	63053-616-816 61487-185-270		: ::	1 R4		R-METAL FILM: RM 1/8TS 390-J	i
428	61497-117-164	C-CERAMIC AXIAL; TAPG Y 16V 0.01-N		R5	61048-177-301	R-METAL FILM; RM 1/8TS 300-J	!
421	61607-131-472	C-ELECTROLYTIC: CED4W TAPG 50V 4.7M	1 1	1 R6		R-METAL FILM:RM 1/8TS 1K-J	I
423		C-ELECTROLYTIC; CEO4W TAPG SOV 3.3M		1 R7		R-METAL FILM: RM 1/8TS 1K-J	1
424		C-CERAMIC.HK:CK45 F TAPG 50V 8.001M-Z		R8		R-METAL FILM: RM 1/8TS 1.2K-J	1
		C-CERAMIC AXIAL; TAPG Y 16V 0.01-N C-CERAMIC.TEMP; CC45 CH TAPG 50V 10-D		R9 1		R-METAL FILM:RM 1/8TS 1K-J PIN-TEST POINT:BSW 1/4H PILOSN	 S.N.
478 · 484		C-CERAMIC TEMP: CC45 CH TAPG 50V 10-D) VR1		VR-SEMI; RH0614C 2.2KB	1
N309		CONNECTOR-WAFER; 5267-04A		VR2		VR-SEMI;RH#614C 2.2KB	ı
C318	62119-103-692			1			!
C312	62109-104-998	IC:UPD6142C-001	ļ i	1			ļ
C313	62119-103-648		1 1				}
		CDIL-PEAKING: EL0606RA-470J(47UH) TAPG	!			1	!
		R-WETAL FILM; RM 1/8TS 220K-J	} !	T I			
		R-METAL FILM;RM 1/8TS 688-J R-METAL FILM;RM 1/8TS 918-J					i
		R-METAL FILM; RM 1/8TS 3.3K-G	į į	i i		i	İ
		R-METAL FILM; RM 1/8TS 10K-J	i i	1)	!
138	61848-177-473	R-METAL FILM: RW 1/8TS 47K-J	ļ i	1			1
439	61848-177-222	R-METAL FILM; RM 1/8TS 2.2K-J	!	1			!
		R-METAL FILM; RM1/8TS 1K-G	!	1	,		!
		R-METAL FILM;RM 1/8TS 10K-J Trimmer Condensor;ECR-HAU60G41				1	i
	01023-381-128		OPTION C				İ
AIN A		VPS-PART; PAL HI-FI (SUA) (VPS USE: SVX-319)	OFFIUN 21				İ
425 426		C-ELECTROLYTIC;CE04W TAPG S0V 0.1M C-ELECTROLYTIC;CE04W TAPG S0V 0.1M	1	i 1			i
		C-CERAMIC AXIAL; TAPG Y 16V 9.81-N	i				İ
		C-ELECTROLYTIC(SG):CEB4W TAPG 16V 47M	1	1			!
		DIODE: 1N4148 SAMSUNG	1	H 1		1	!
C315	62119-103-700	IC:SDA5642		1			!
350		TRANSISTOR: KSC 945-Y TAPG					!
441		R-METAL FILM; RM 1/8TS 10K-J	1	1 1) 4	; !
442		R-METAL FILM; RM 1/8TS 18K-J	}			ļ 	i
443		R-METAL FILM;RM 1/8TS 10K-J R-METAL FILM;RM 1/8TS 108K-J		1			i
444		R-METAL FILM; R. 1/815 100K-J	i i				i
		R-METAL FILM; RM 1/8TS 1M-J	j	i i			1
		R-METAL FILM: RW 1/8TS 188-J	I 9	K I			!
	61948-177-181	to provide a resolution of the contract of the					
447	61048-177-824	R-METAL FILM;R. 1/8TS 820K-J R-METAL FILM;RM 1/8TS 5.6K-J	! #	1			-

OCA-NO	PART-NUMBER	DESCRIPTION: SPECIFICATION	REMARK I	LOCA-NO	PART-NUMBER	DESCRIPTION; SPECIFICATION	REMARK
	ASSY TUNER PART	S LIST			69888-603-864	TUNER PART: PAL(G-8 HI-FI) (VI-778)	OPTION
RF-CON IUNER	ASSY TUNER PART 69888-683-882 59888-683-884 OPTION 6: ONLY OPTION 7: ONLY 69888-683-882 63954-481-678 63184-688-118 6385-886-683-682 63454-211-148 6459-488-116 66463-682-629 61419-189-228 61687-481-438 61419-189-228 61687-481-438 61419-189-228 61687-481-438 61419-189-228 61687-481-438 61419-189-228 61687-481-438 61687-481-438 61687-481-438 61687-481-438	TUNER-PART: PAL HI-FI (SVX-319, VX/VB-770) TUNER-PART: PAL HI-FI (VI-770) USED FOR SVX-319/VX-770/VB-770 MODEL. USED FOR VI-770 MODEL. TUNER-PART: PAL HI-FI (SVX-319, VX/VB-770) CABLE-CDAXIAL ASSY: UL B65 AWG 36 AA GROUND-CAP: PBSS T0.5 G-7C PWB-TUNER: IV0 147X248.5X1.6(T) RF-CONVERTOR: MDLX3D393A TIE BAND: NYLON 616.100 TUNER-IF UINT: FB-0199 CCIR98CH WIRE-GND: 107 H18 BLK 140M/M(YY) WIRE-SO. COPPER: TA 0.6 SN CONNECTOR-BOAND A: HIPS 94HB C-CERAMIC HK: CK45 B 50V 0.0068M-K C-ELECTROLYTIC: CE04W TAPG 50V 2.2M C-ELECTROLYTIC: CE04W TAPG 50V 2.2M C-ELECTROLYTIC: CE04W TAPG 100V 0.033M-K C-CERAMIC HK: CK45 F 50V 0.022M-Z C-ELECTROLYTIC: CE04W TAPG 25V 10M C-CERAMIC HK: CK45 F 50V 0.022M-Z C-ELECTROLYTIC: CE04W TAPG 25V 10M C-CERAMIC HK: CK45 F 50V 0.022M-Z C-ELECTROLYTIC: CE04W TAPG 25V 10M C-CERAMIC HK: CK45 F 50V 0.022M-Z C-ELECTROLYTIC: CE04W TAPG 25V 10M C-CERAMIC HK: CK45 F 50V 0.022M-Z C-ELECTROLYTIC: CE04W TAPG 25V 10M C-CERAMIC HK: CK45 F 50V 0.022M-Z C-ELECTROLYTIC: CE04W TAPG 25V 10M C-CERAMIC HK: CK45 F 50V 0.022M-Z C-ELECTROLYTIC: CE04W TAPG 25V 10M C-CERAMIC HK: CK45 F 50V 0.022M-Z C-ELECTROLYTIC: CE04W TAPG 25V 10M C-CECETROLYTIC: CE04W TAPG 25V 10M C-ELECTROLYTIC: CE04W TAPG 25V 10M C-ELECTROLYTIC: CE04W TAPG 25V 10M C-ELECTROLYTIC: CE04W TAPG 25V 10M C-ELECTROLYTIC: CE04W TAPG 25V 10M C-ELECTROLYTIC: CE04W TAPG 25V 10M C-ELECTROLYTIC: CE04W TAPG 25V 10M C-ELECTROLYTIC: CE04W TAPG 25V 10M C-ELECTROLYTIC: CE04W TAPG 25V 10M C-ELECTROLYTIC: CE04W TAPG 25V 10M C-ELECTROLYTIC: CE04W TAPG 25V 10M C-ELECTROLYTIC: CE04W TAPG 25V 10M C-ELECTROLYTIC: CE04W TAPG 25V 10M C-ELECTROLYTIC: CE04W TAPG 25V 10M	S.N.A	CA1 CA10 CA11 CA12 CA12 CA13	69888-683-884 63885-886-787 63854-481-678 63854-211-148 68824-688-618 67154-181-448 64519-983-132 62569-882-222 63184-688-118 66463-682-628 61419-189-228 61697-481-438 61697-481-438 61697-481-438 61697-481-438 61697-481-438 61697-481-438 61697-481-438 61697-481-438 61697-481-438 61697-481-438 61697-481-438 61697-481-438 61697-481-438 61697-481-438 61419-189-228 63349-681-322 63349-681-322 63349-682-348 62189-281-281 6219-581-588	PWB-TUNER: 1V8 147X245.SX1.6(T) CABLE-COAXIAL ASSY: UL B65 AWG 106 AA WIRE-GND: 187 #18 BLK 140M/M(YY) TIE BAND: NYLON 616.100 SCREW-TAP. PWH: 2-3X10 FE FZY TUNER-IF UINT: FE FK-8296 UK RF CONVERTER: MDLK3B393A GROUND-CAP: FBSS T0.5 G-7C CONNECTOR-BOARD A: HIPS 94HB C-CERAMIC HK: CK45 F 50V 0.022M-Z C-ELECTROLYTIC: CE04W TAPG 25V 10M C-ELECT	
	61607-481-430 61419-109-228 61607-134-479 61607-481-439 61607-481-430 61607-481-430 61607-481-430 61507-481-430 61507-481-430 61507-481-430 63349-681-323 63349-681-323 63349-682-320 63349-682-320 63169-486-482 62169-486-482	C-ELECTROLYTIC:CC04W TAPG 25V 10M C-CERAMIC HK:CK45 F 50V 0.022M-Z C-ELECTROLYTIC:CC04W TAPG 50V 4.7M(RSS) C-ELECTROLYTIC:CC04W TAPG 50V 4.7M(RSS) C-ELECTROLYTIC:CC04W TAPG 16V 100M(SG) C-ELECTROLYTIC:CC04W TAPG 16V 100M(SG) C-ELECTROLYTIC:CC04W TAPG 25V 10M C-ELECTROLYTIC:CC04W TAPG 25V 10M C-POLYESTER:CQ921M TAPG 100V 6.033M-K C-POLYESTER:CQ921M TAPG 25V 10M CONNECTOR-WAFER:S233-06A CONNECTOR-WAFER:S233-05A CONNECTOR-WAFER:S233-05A CONNECTOR-WAFER:S267-03A CONNECTOR-WAFER:S267-05A DIODE: 1M4148 SAMSUNG DIODE: 1M4148 SAMSUNG DIODE: 1M4148 SAMSUNG DIODE: 1M4148 SAMSUNG			62119-561-566 62427-812-106 62427-812-106 62427-812-106 62427-812-106 62427-812-106 62137-302-746 62137-302-746 62137-103-380 61048-177-103 61048-177-103 61048-177-103 61048-177-103 61048-177-103 61048-177-103 61048-177-683	IC-L:KA33V COIL-PEAKING: ELOGOGRA-100J(10UH) TAPG COIL-PEAKING: ELOGOGRA-100J(10UH) TAPG COIL-PEAKING: ELOGOGRA-100J(10UH) TAPG COIL-PEAKING: ELOGOGRA-100J(10UH) TAPG COIL-PEAKING: ELOGOGRA-100J(10UH) TAPG COIL-PEAKING: ELOGOGRA-100J(10UH) TAPG TRANSISTOR:KSC 945-Y TAPG TRANSISTOR:KSC 945-Y TAPG TRANSISTOR:KSA 733-Y TAPG TRANSISTOR:KSA 733-Y TAPG TRANSISTOR:KSA 733-Y TAPG TRANSISTOR:KSA 735-Y TAPG TRANSI	
A6 A7 A8 CA1 CA2 A1 A2 A3 A4 A5 A1 A3 A4 A1 A1 A1	62427-812-100 62427-812-100 62427-812-100 62427-812-101 62137-781-011 62137-302-740 62137-302-740 61048-277-561 61048-177-103	DIODE: IN4148 SAMSUNG IC-L:KA33V IC:BA718 IC:BA718 IC:BU4052B COIL-PEAKING: EL0606RA-100J(10UH) TAPG COIL-PEAKING: EL0606RA-100J(10UH) TAPG COIL-PEAKING: EL0606RA-100J(10UH) TAPG COIL-PEAKING: EL0606RA-100J(10UH) TAPG ICOIL-PEAKING: EL0606RA-100J(10UH) TAPG TRANSISTOR: KSR 1002 TAPG		RAS RAS	61048-177-273 61048-177-222	R-METAL FILM:RM 1/8TS 27K-J R-METAL FILM:RM 1/8TS 2.2K-J 	
RA12 RA13 RA14 RA15 RA16 RA17 RA18 RA19 RA2 RA20 RA21 RA21 RA22 RA24	61848-177-683 61848-177-152 61848-177-192 61848-177-182 61848-177-152 61848-177-152 61848-177-192 61848-177-193 61848-177-193 61848-177-193 61848-177-193 61848-177-193 61848-177-193 61848-177-1563	R-METAL FILM:RM 1/8TS 68K-J R-METAL FILM:RM 1/8TS 1.5K-J R-METAL FILM:RM 1/8TS 1K-J R-METAL FILM:RM 1/8TS 68K-J R-METAL FILM:RM 1/8TS 68K-J R-METAL FILM:RM 1/8TS 27K-J R-METAL FILM:RM 1/8TS 27K-J R-METAL FILM:RM 1/8TS 1K-J R-METAL FILM:RM 1/8TS 10K-J R-METAL FILM:RM 1/8TS 10K-J R-METAL FILM:RM 1/8TS 10K-J R-METAL FILM:RM 1/8TS 10K-J R-METAL FILM:RM 1/8TS 15K-J R-METAL FILM:RM 1/8TS 15K-J R-METAL FILM:RM 1/8TS 56K-J R-METAL FILM:RM 1/8TS 56K-J				}	
RA4 RA5 RA6 RA7 RA8 RA9 VRA1 VRA2 VRA2 VRA3	61848-177-563 61848-177-103 61848-177-103 61848-177-103 61848-177-103 61848-177-562 1 61246-105-223 61246-105-223 61246-105-222	R-METAL FILM:RM 1/8TS 56K-J					

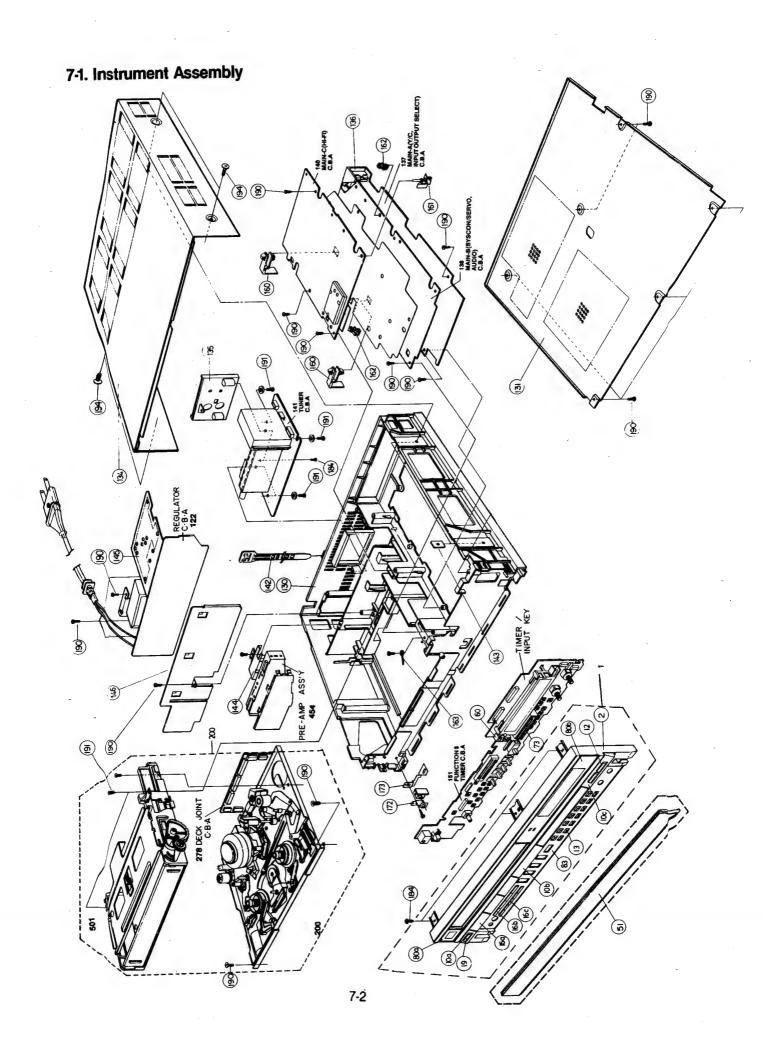
OCA - NO	PART-NUMBER	DESCRIPTION:SPECIFICATION	REMARK	LOCA-NO		DESCRIPTION:SPECIFICATION	REW
	ASSY MAIN-B PAR	RTS LIST LINEAR AUDIO-OSD)		Q622 Q623	62137-701-012 62137-781-812	TRANSISTOR: KSR 1003 TAPG TRANSISTOR: KSR 1003 TAPG	1
	(SERVU. STSCOM.	LINEAR ADDIO. USD /		Q626		TRANSISTOR: KSR 2003 TAPG	ĺ
	69882-693-848	ASSY MAIN B; SVX-319PAL HI-FI SYS/SER/LNR	:SVX-319	Q629	62137-781-812	TRANSISTOR: KSR 1903 TAPG	
	69802-603-040	ASSY MAIN B; VB-770 PAL HI-FI SYS/SER/LNR			62137-701-010	TRANSISTOR: KSR 1001 TAPG	1
	69802-603-070 69802-603-070	ASSY MAIN B: VX-770 (0.S.D) SYS/SER/LNR ASSY MAIN B: VI-770 (0.S.D) SYS/SER/LNR			62137-701-022 62137-701-012	TRANSISTOR; KSR 2003 TAPG TRANSISTOR; KSR 1003 TAPG	i
	03002 003 010			Q635	62137-701-022	TRANSISTOR: KSR 2003 TAPG	j
	OPTION 4 : ONLY	Y USED FOR " OSD " SYSTEM.		Q636	62137-193-380	TRANSISTOR; KSA 733-Y TAPG	- 1
AIN B		SERVO PART; PAL(G-8WH H1-FI)		Q637	62137-781-022 62137-781-023	TRANSISTOR; KSR 2003 TAPG TRANSISTOR; KSR 2004 TAPG	
				R601	61048-177-221		į
602		C-POLYESTER; CQ921M TAPG 50V 0.033M-J	:	R607		R-METAL FILM: RM 1/8TS 3.3K-J	!
603		C-POLTESTER; CQ921M TAPG 100V 8.022M-J C-ELECTROLYTIC.NP; CE04W TAPG 16V 10M		R698	61048-177-222	R-METAL FILM;RM 1/8TS 2.2K-J R-METAL FILM;RM 1/8TS 3.3K-J	ì
6 64 6 6 5		C-ELECTROLYTIC: CE04W TAPG 25V 10W	: :	R611		R-METAL FILM; RM 1/8TS 47K-J	i
606		C-CLECTROLYTIC: CEO4W TAPG 16V 47M	1	R612		R-METAL FILM: RN 1/8TS 47K-J	1
687		C-ELECTROLYTIC: CED4W TAPC SOV IN	:	R613		R-METAL FILM;RM 1/8TS 4.7K-J R-METAL FILM;RM 1/8TS 68K-J	- 1
6 68 6 0 9		C-ELECTROLYTIC;CE04W TAPG 6.3V 100M C-CERAMIC.TEMP;CE45 SL TAPG 50V 470-J	:	R615		R-METAL FILM: RM 1/8TS 47K-J	i
610		C-ELECTROLYTIC NP: CES4W TAPG 58V IN		R616	61048-177-152	R-METAL FILM: RM 1/8TS 1.5K-J	į
611		C-ELECTROLYTIC; CE04W TAPG 25V 10M		R617		R-METAL FILM: RM 1/8TS 220K-J	!
612		C-ELECTROLYTIC.NP;CE04W TAPG 50V 0.47M C-ELECTROLYTIC;CE04W TAPG 6.3V 100M	:	R618 R620		R-METAL FILM:RM 1/8TS 188-J R-METAL FILM:RM 1/8TS 2.2K-J	1
:613 :614		C-CERAMIC AXIAL; TAPG Y 16V 0.01-N	:	R621		R-METAL FILM:RM 1/8TS 820-J	i
615	61607-402-210	C-ELECTROLYTIC: CED4W TAPG 50V 1M	i	R622	61048-177-102	R-NETAL FILM; RW 1/8TS 1K-J	1
616		C-POLYESTER: CQ921M TAPG SOV 0.047M-J	2	R623		R-METAL PILM;RM 1/8TS 1K-J R-METAL FILM;RM 1/8TS 1M-J	j i
617 618		C-POLYESTER: CQ921M TAPG 188V 8.856M-K C-CERAMIC AXIAL; TAPG Y 16V 8.81-N		R624 R625		R-METAL FILM:RM 1/8TS 56K-J	i
619	61509-121-228	C-POLYESTER; CQ921M 50V 0.22M-J(F-A)	į į	R626	61048-177-104	R-METAL FILM: RM 1/8TS 100K-J	į
620		C-POLYESTER; CQ921M TAPG 50V 0.1M-J	:	R627		R-METAL FILM:RM 1/8TS 56K-J	!
621 622		C-ELECTROLYTIC;CEB4W TAPG 16V 22M C-ELECTROLYTIC;CEB4W TAPG 16V 22M	:	R628 R629		R-METAL FILM;RM 1/8TS 56K-J R-METAL FILM;RM 1/8TS 33K-J	1
624		C-ELECTROLYTIC:CE04W TAPG 50V 8-47M		R638		R-METAL FILM:RM 1/8TS 198K-J	i
625	61607-803-190	C-ELECTROLYTIC .NP: CES4W TAPG 58V 8.47M		R631		R-METAL FILM; RM 1/8TS 22K-J	!
626		C-POLYESTER: CQ921N TAPG 188V 0.8856M-K	1 1	R632		R-METAL FILM;RM 1/8TS 470K-J R-METAL FILM;RM 1/8TS 150K-J	
627 628		C-CERAMIC.HK;CK45		R634		R-METAL FILM; RM 1/8TS 2.7K-J	i
629		C-ELECTROLYTIC; CE04W TAPG 50V 0.47M	:	R635	61048-177-563	R-METAL FILM; RM 1/8TS 56K-J	į
638		C-POLYESTER; CQ921M TAPG 50V 8.01M-J		R636		R-METAL FILM; RM 1/8TS 82K-J	- }
631 632		C-POLYESTER; CQ921N TAPG 50V 0.1N-J C-ELECTROLYTIC; CE04N TAPG 16V 22N	: :	R637 R638		R-METAL FILM;RM 1/8TS 188K-J R-METAL, FILM;RM 1/8TS 3.3K-J	i
633	63349-062-380		: :	R639		R-METAL FILM; RM 1/8TS 3.3K-J	i
633	61607-401-440	C-ELECTROLYTIC: CEB4W TAPG 16V 22N		# R648		R-METAL FILM: RM 1/8TS 150K-J	ļ
634		C-POLYESTER; CQ921M TAPG 50V 0.027M-K		R641 R642		R-METAL FILM; RM 1/8TS 220K-J R-METAL FILM; RM 1/8TS 8.2K-J	1
635 640		C-POLYESTER; CQ921N TAPG 100V 0.0056N-K C-POLYESTER; CQ921N TAPG 50V 0.1M-J	: :	R642 R643		R-METAL FILM: RM 1/8TS 33K-J	- 1
645	61507-121-440	C-POLYESTER; CQ921N TAPG 100V 0.0056N-K		∦ R644	61948-177-222	R-METAL FILM: RM 1/8TS 2.2K-J	į
658		C-POLYESTER: CQ921M TAPG 188V 8.8856M-K		R654		R-METAL FILM;RM 1/8TS 33K-J R-METAL FILM;RM 1/8TS 1K-J	!
659 6 68		C-POLYESTER; CQ921N TAPG 50V 0.0068M-K C-POLYESTER; CQ921N TAPG 50V 0.1M-J		R655 R656		R-WETAL FILM:RM 1/8TS 10K-J	i
661		C-POLYESTER: CQ921M TAPG 50V -0.1M-J		R6781		R-METAL FILM; RM 1/8TS-56K-J	i
662		C-POLYESTER; CQ921M TAPG 50V 0.1M-J	: :	R6702		R-METAL FILM; RM 1/8TS 180K-J	1
664		C-POLYESTER; CQ921M TAPG 58V 8.868M-J	1 1	R6703 R6705		R-METAL FILM;RM 1/8TS 47K-J R-METAL FILM;RM 1/8TS 10K-J	1
665 666		C-POLYESTER; CQ921M TAPG 50V 0.01M-J C-ELECTROLYTIC; CE04W TAPG 25V 10M	: :	R6705		R-METAL FILM; RM 1/8TS 68K-J	j
667		C-ELECTROLYTIC; CE04W TAPG 50V 4.7W		R6707	61048-177-473	R-METAL FILM: RM 1/8TS 47K-J	1
669		C-ELECTROLYTIC; CE04W TAPG 50V 2.2M		R6708		R-METAL FILM: RM 1/8TS 18K-J	}
67 0 671		C-CERAMIC.HK:CK45 F TAPG 50V 8.001M-Z C-CERAMIC.HK:CK45 F TAPG 50V 8.001M-Z		R6709 R6710		R-METAL FILM;RM 1/8TS 1K-J R-METAL FILM;RM 1/8TS 22K-J	ì
672		C-CERAMIC.HK;CK45 F TAPG 58V 8.881M-Z		R6711		R-METAL FILM; RM 1/8TS 10K-J	i
674	61607-402-210	C-ELECTROLYTIC:CE04W TAPG 50V IM	: :	₩ R676	61948-177-194	R-METAL FILM; RM 1/8TS 100K-J	!
N642		CONNECTOR-WAFER; 5267-02A	:	R677		R-METAL FILM: RM 1/8TS 3.3K-J	!
N683 N684	63349-062-390 63349-062-330			R678 R680		R-METAL FILM;RM 1/8TS 4.7K-J R-METAL FILM;RM 1/8TS 100K-J	i
N605	63349-662-318		:	R689		R-METAL FILM;RM 1/8TS 10K-J	i
683	62169-466-482	DIBDE: 1N4148 SAMSUNG		R698	61048-177-103	R-METAL FILM: RM 1/8TS 10K-J	ļ
684	62169-406-482			R691 R692		R-METAL FILM:RM 1/8TS 10K-J	1
6 0 5 6 0 7	62169-486-482 62169-486-482			R692 R693		R-METAL FILM;RM 1/8TS 68K-J R-METAL FILM;RM 1/8TS 68K-J	í
688	62169-486-482	DIODE: 1N4148 SAMSUNG	1	R694		R-METAL FILM:RM 1/8TS 68K-J	į
611	62169-406-482		: :			R-METAL FILM:RM 1/8TS 158K-J	}
618 623	62169-486-482			R696		R-METAL FILM:RM 1/8TS 22K-J R-METAL FILM:RM 1/8TS 150K-J	
624	62169-406-482 62169-406-482					R-METAL FILM:RM 1/8TS 82K-J	i
626	62169-406-482	DIODE: 1N4148 SAMSUNG	1	R699	61948 - 177 - 222	R-METAL FILM: RM 1/8TS 2.2K-J	į
628	62169-406-482			VR601		VR-SEMI;RH061SC 220KB	ļ
C601 C603		IC;UPD6:G3ACA-802 IC-LINEAR;LM358S(N.M)				VR-SEMI;RH0615C 220KB VR-SEMI;RH0614C-180KB	i
C685	62119-301-372	10:8A 855A				VR-SEMI:RHOGISC 100KB	i
2	63054-222-662	WIRE-JUMPER: 1007-12 #26 68 RED	1	#			!
3		WIRE-JUMPER: 1887-12 #26 68 ORG				 	
5 6 9 2		WIRE-JUMPER(H-WRAP):1007 #26-SOLD WHT 21 TRANSISTOR:KSA 733-Y TAPG		MAIN B		LINER PART; PAL.(G-8WH HI-FI)	
603		TRANSISTOR; KSC 945-Y TAPG		<u> </u>			
607	62137-382-748	TRANSISTOR: KSC 945-Y TAPG	! !	MAIN B		AUDIO ASSY 2: NON DUBBING BIAS OC	
608		TRANSISTOR: KSA 733-Y TAPG	1	C814	£1589330-818	C POLYESTER: MDX 100V 473K	
616 618		TRANSISTOR;KSR 1003 TAPG TRANSISTOR;KSR 1003 TAPG				C-POLYESTER; CQ921M TAPG 56V 8-4M-J	-
	, , ,			C826		C-POLTESTER; CQ921N TAPG 58V 0-45ME-J	. i

OCA-NO	PART-NUMBER	DESCRIPTION:SPECIFICATION		II LOCA NO	PART-NUMBER	DESCRIPTION; SPECIFICATION	REMAR
827	61697-491-440	C-ELECTROLYTIC:CEM4W TAPG 16V 22M		R509		R-METAL FILM; RM 1/8TS 10K-J	1
SC1	62429-014-099			## R516		R-METAL FILM: RM 1/8TS 1K-J	
893		TRANSISTOR: KSC1008-Y SAMSUNG		## R517		R-METAL FILM; RM 1/8TS 1K-J	!
829		R-METAL FILM; RM 1/8TS 47-J		R518		R-METAL FILM; RM 1/8TS 47K-J	1
821		R-METAL FILM:RM 1/8TS 33K-J		## R519		R-METAL FILM; RM 1/8TS 2.2K-J	!
822	61048-227-150	R-METAL FILM; RM 1/4P 15-J		R520 R522		R-METAL FILM;RM 1/8TS 2.2K-J R-METAL FILM;RM 1/8TS 188-J	
AIN B		AUDIO ASSY 4:L/M PARTS		R523		R-METAL FILM; RM 1/8TS 198-J	i
VIU D		AUDIO AUDI TIEFN TARIO		R525		R-METAL FILM; RM 1/8TS 19K-J	,
881	61597-121-349	C-POLYESTER; CQ921M TAPG 108V 0.801M-K		R526		R-METAL FILM: RM 1/8TS 10K-J	i
802		C-CERAMIC AXIAL; TAPG SLSBV 8.022M-Z	i	# R527	61048-177-472	R-METAL FILM: RM 1/8TS 4.7K-J	İ
883	61507-121-411	C-POLYESTER; CQ921M TAPG 198V 8.8833M-J	1	## R528	61048-177-193	R-METAL FILM: RM 1/8TS 10K-J	ŀ
884	61597-121-269	C-POLYESTER: CQ921M TAPG 50V 0.1M-J	1	R529	61048-177-103	R-METAL FILM: RM 1/8TS 18K-J	1
885	61607-402-210	C-ELECTROLYTIC: CEB4W TAPG 50V-1W		# R531		R-METAL FILM; RM 1/8TS 47K-J	1
886		C-ELECTROLYTIC; CEN4W TAPG 25V 19M		R532		R-METAL FILM; RM 1/8TS 47K-J	!
897		C-POLYESTER; CQ921M TAPG 50V 0.01M-J		R534		R-METAL FILM: RM 1/8TS 1K-J	!
888		C-ELECTROLYTIC: CE04W TAPG 25V 10M		R539		R-METAL FILM; RM 1/8TS 4.7K-J	!
889		C-ELECTROLYTIC; CE04W TAPG 16V 33M		R540		R-METAL FILM: RM 1/8TS 4.7K-J	- !
811		C-POLYESTER: CQ921M TAPG 50V 0.0068M-K				R-METAL FILM: RM 1/8TS 1K-J	
812		C-POLYESTER: CQ921M TAPG 50V 8.8847M-J		## R543 ## R544		R-METAL FILM;RM 1/8TS 1K-J R-METAL FILM;RM 1/8TS 1K-J	- 1
813 815		C-POLYESTER; CQ921M TAPG .188V 8.812M-J C-ELECTROLYTIC; CE84W TAPG 25V 16M		R545		R-METAL FILM: RM 1/8TS 4.7K-J	- 1
816		C-POLYESTER: CQ921M TAPG 58V 8-827M-K				R-METAL FILM; RM 1/8TS 100-J	- 1
817		C-POLTESTER; CQ921M TAPG 100V 0.022M-J		RN501		R-NETWORKS: RGLD3X473J	i
818		C-ELECTROLYTIC: CE04W TAPG SOV IN		I RN502		R-NETWORKS: RGLD3X472J	i
819		C-ELECTROLYTIC (SG); CE84W TAPG 16V 47M		RN584		R-NETWORKS: RGLD7X472J	i
820		C-ELECTROLYTIC: CE04W TAPG 25V 10M		RN505		R-NETWORKS: RGLD 4X102J	. i
321		C-ELECTROLYTIC; CE04W TAPG 16V 100M(SG)		1 X501	64539-192-812		i
322		C-CERAMIC AXIAL; TAPG SLSOV 8.022M-Z				1	
323		C-CERAMIC.TEMP; CC45 SL TAPG 50V 220-J	1	## MAIN B		SYS/SER OSD PART: PAL(G-8WH HI-FI)	OPTION
1881	63349-662-310]	 			
802	63349-662-320		: :	CN507	63349-062-330	CONNECTOR-WAFER: 5267-84A	
803		CONNECTOR-WAFER; 5267-02A			63349-062-311	CONNECTOR WAFER; 5267-82A(BLK)	1
894	63349-062-340		1	# CN509	63349-862-328	CONNECTOR-WAFER; 5267-03A	!
2861	62119-183-685			11 D504 !	62169 -486 -482	DIODE; IN4148 SAMSUNG	!
301	62427-814-181			D595	62169-496-482	DIODE: 1N4148 SAMSUNG	!
92		COIL-PEAKING: BOAM-22MH		## D507 ## D512	62169-486-482	DIODE: 1N4148 SAMSUNG	- }
303		COIL-PEAKING; EL8687RA-822J(8288UH) TAPG COIL-PEAKING AXIAL; BALO3 TAPG 181K		## D512 ## D513	62169-4 8 6-482 62169-4 8 6-482	DIODE: 1N4148 SAMSUNG DIODE: 1N4148 SAMSUNG	- 1
384		R-METAL FILM; RM 1/8TS 22K-J		1 Q507	62137-791-012	TRANSISTOR; KSR 1983 TAPG	- 1
301 302		R-METAL FILM; RM 1/8TS 688-J		Q568		TRANSISTOR: KSR 1003 TAPG	i
383		R-METAL FILM:RM 1/8TS 338-J		R546		R-METAL FILM: RM 1/8TS 19K-J	i
804		R-METAL FILM: RM 1/8TS 338K-J		11 R547		R-METAL FILM; RM 1/8TS 18K-J	i
885		R-METAL FILM:RM 1/8TS 10K-J		II R548		R-METAL FILM: RM 1/8TS 18K-J	į
806		R-METAL FILM: RM 1/8TS 3.3K-J	1	RS54	61048-177-123	R-METAL FILM: RM 1/8TS 12K-J	İ
887	61048-177-563	R-METAL FILM; RM 1/8TS 56K-J	1 1	# II		1	1
888	61948-177-195	R-METAL FILM:RM 1/8TS 1M-J	1 1	9 11			1
809	61848-177-183	R-METAL FILM; RM 1/8TS 18K-J	1	9 K			ļ
818		R-METAL FILM:RM 1/8TS 8.2K-J					ļ
811		R-METAL FILM:RM 1/8TS 1.2K-J		i ki			1
812		R-METAL FILM; RM 1/8TS 1.5K-J		5 X			1
813		R-METAL FILM:RN 1/8TS 270-J	: :] 	
814 1		R-METAL FILM:RM 1/8TS 15K-J	}	9 M 1] 	1
815 816		R-METAL FILM;RM 1/8TS 3.9K-J R-METAL, FILM;RM 1/8TS 338-J	, ,				
817			1				
818			: :	FF 1			
	61948 - 177-183	R-METAL FILM; RM 1/8TS 18K-J	1	H		† 	
119		R-METAL FILM;RM 1/8TS 18K-J R-METAL FILM;RM 1/8TS 10K-J	1			1 	
	61048177103	R-METAL FILM:RM 1/8TS 18K-J R-METAL FILM:RM 1/8TS 10K-J R-METAL FILM:RM 1/8TS 10K-J		H			
881	61048177103 61246105103	R-METAL FILM:RW 1/8TS 18K-J R-METAL FILM:RW 1/8TS 10K-J R-METAL FILM:RW 1/8TS 10K-J VR-SENT:RH061SC 10KB		# # # # # # # # # # # # # # # # # # #			
881	61048177103 61246105103	R-METAL FILM:RM 1/8TS 18K-J R-METAL FILM:RM 1/8TS 10K-J R-METAL FILM:RM 1/8TS 10K-J		# # # # # # # # # # # # # # # # # # #			
801 802	61048177103 61246105103	R-METAL FILM:RW 1/8TS 18K-J R-METAL FILM:RW 1/8TS 10K-J R-METAL FILM:RW 1/8TS 10K-J VR-SENT:RH061SC 10KB		# # # # # # # # # # # # # # # # # # #			
801 802	61048177103 61246105103 61246105224 	R-METAL FILM:RN 1/8TS 18K-J R-METAL FILM:RN 1/8TS 10K-J R-METAL FILM:RN 1/8TS 10K-J VR-SENI:RH0615C 10KB VR-SENI:RH0615C 220KB SYSCON PART(1):PAL(G-8WH HI-FI) WIRE-GND:1807 818 178 BLK YO		# # # # # # # # # # # # # # # # # # #			
801 802	61848177193 61246185193 61246185224 	R-METAL FILM:RW 1/8TS 18K-J R-METAL FILM:RW 1/8TS 10K-J R-METAL FILM:RM 1/8TS 10K-J VR-SENI:RH0G1SC 10KB VR-SENI:RH0G1SC 220KB SYSCON PART(1):PAL(G-8WH HI-FI) WIRE-GND:1007 #18 170 BLK YU PWB-SYS/SER:94V0 1.6X317X145(VX-770)		# 15			
801 802 IN B	61848177183 61246185-183 61246185224 	R-METAL FILM:RW 1/8TS 18K-J R-METAL FILM:RW 1/8TS 10K-J R-METAL FILM:RW 1/8TS 10K-J VR-SEM1:RH0615C 10KB VR-SEM1:RH0615C 220KB SYSCON PART(1):PAL(G-8WH HI-FI) WIRE-GND:1007 #18 170 BLK YU PWB-SYS/SER:94V0 1.6X317X145(VX-770) PIN-TEST POINT:BSW 1/4H PI1.0 SN		# # # # # # # # # # # # # # # # # # #			
801 802 IN B	61848177183 61246185-183 61246185-224 63854211138 6386594 63124183338 61417189288	R-METAL FILM:RW 1/8TS 18K-J R-METAL FILM:RW 1/8TS 10K-J R-METAL FILM:RW 1/8TS 10K-J VR-SEMI:RH06:15C 10KB VR-SEMI:RH06:15C 220KB SYSCON PART(1):PAL(G-8WH HI-FI) WIRE-GND:1807 #18 170 BLK YO PWB-SYS/SER:94V0 1.6X317X145(VX-770) PIN-TEST POINT:BSW 1/4H PI1.0 SN C-CERAMIC-HK:CK45 F TAPG 50V 0.047M-Z		# 15			
1801 1802 1	61848177183 61246185-103 61246185-224 63854211138 63885186594 63124183338 61417189289 61609121-182	R-METAL FILM:RN 1/8TS 18K-J R-METAL FILM:RN 1/8TS 10K-J R-METAL FILM:RN 1/8TS 10K-J R-SENI:RH0615C 10KB VR-SENI:RH0615C 220KB SYSCON PART(1):PAL(G-8WH HI-FI) WIRE-GND:1807 818 178 BLK YO PMB-SYS/SER:94V0 1.6X3/7X145(VX-770) PIN-TEST POINT:BSW 1/4H PI1.8 SN C-CERAMIC-HK:CK45 F TAPC 50V 8.047M-Z C-ELECTROLYTIC:CE04W 6.3V 1008M		# 15			
1881 1882 1882 1888 18	61848177183 61246185-183 61246185-224 	R-METAL FILM:RN 1/8TS 18K-J R-METAL FILM:RN 1/8TS 10K-J R-METAL FILM:RN 1/8TS 10K-J R-SENT:RH8615C 10KB VR-SENT:RH8615C 220KB SYSCON PART(1):PAL(G-8WH HI-FI) WIRE-GND:1807 #18 170 BLK YO PWB-SYS/SER:94V0 1.6X317X145(VX-770) PIN-TEST POINT:BSW 1/4H P11.0 SN C-CERAMIC-HK:CK45 F TAPG 50V 0.047M-Z C-ELECTROLYTIC:CE04W 6.3V 1008M C-CERAMIC-HK:CK45 F TAPG 50V 0.001M-Z		# 15			
801 802 IN B	61848177183 61246185-183 61246185224 	R-METAL FILM:RN 1/8TS 18K-J R-METAL FILM:RN 1/8TS 10K-J VR-SEMI:RH0615C 10KB VR-SEMI:RH0615C 220KB SYSCON PART(1):PAL(G-8WH HI-FI) WIRE-GND:1007 #18 170 BLK YO PWB-SYS/SER:94V0 1.6X317X145(VX-770) PIN-TEST POINT:BSW 1/4H P11.0 SN C-CERAMIC-HK:CK45 F TAPG 50V 0.047M-Z C-ELECTROLYTIC:CE04W 6.3V 1008M C-CERAMIC-HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC-HK:CK45 F TAPG 50V 0.001M-Z					
801 802 IN B	61848177183 61246185-183 61246185-224 63854211139 63865186-594 63124183338 61417189289 61689121182 61417189848 61417189848	R-METAL FILM:RN 1/8TS 18K-J R-METAL FILM:RN 1/8TS 10K-J R-METAL FILM:RN 1/8TS 10K-J R-SENI:RH06:ISC 10KB VR-SENI:RH06:ISC 220KB SYSCON PART(1):PAL(G-8WH HI-FI) WIRE-GND:1007 #18 170 BLK YO PWB-SYS/SER:94V0 1.6X317X145(VX-770) PIN-TEST POINT:BSW 1/4H PI1-0 SN C-CERAMIC-HK:CK45 F TAPG 50V 0.047M-Z C-ELECTROLYTIG:CE04W 6.3V 1000M C-CERAMIC-HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC-HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC-HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC-HK:CK45 F TAPG 50V 0.001M-Z					
801 802 IN B	61848177183 61246185-183 61246185-224 63854211138 63805186-594 63124183338 61417189848 61417189848 61417189848 61417189848	R-METAL FILM:RN 1/8TS 18K-J R-METAL FILM:RN 1/8TS 10K-J R-METAL FILM:RN 1/8TS 10K-J R-METAL FILM:RN 1/8TS 10K-J VR-SENI:RH0615C 10KB VR-SENI:RH0615C 220KB SYSCON PART(1):PAL(G-8WH HI-FI) WIRE-GND:1007 018 170 BLK YO PNB-SYS/SER:94V0 1.6X317X145(VX-770) PIN-TEST POINT:BSW 1/4H PI1.0 SN C-CERAMIC-HK:CK45 F TAPC 50V 0.004M-Z C-ELECTROLYTIC:CE04W 6.3V 1000M C-CERAMIC-HK:CK45 F TAPC 50V 0.001M-Z C-CERAMIC-HK:CK45 F TAPC 50V 0.001M-Z C-CERAMIC-HK:CK45 F TAPC 50V 0.001M-Z C-CERAMIC-HK:CK45 F TAPC 50V 0.001M-Z C-CERAMIC-HK:CK45 F TAPC 50V 0.001M-Z C-CERAMIC-HK:CK45 F TAPC 50V 0.001M-Z C-CERAMIC-HK:CK45 F TAPC 50V 0.001M-Z C-CERAMIC-HK:CK45 F TAPC 50V 0.001M-Z	S.N.A				
801 802 IN B	61848177183 61246185-183 61246185-224 	R-METAL FILM; RW 1/8TS 18K-J R-METAL FILM; RW 1/8TS 10K-J R-METAL FILM; RW 1/8TS 10K-J VR-SEM1; RH0615C 10KB VR-SEM1; RH0615C 220KB SYSCON PART(1); PAL(G-8WH HI-FI) WIRE-GND; 1007 #18 170 BLK YO PWB-SYS/SER; 94V0 1.6X317X145(VX-770) PIN-TEST POINT; BSW 1/4H PI1.0 SN C-CERAMIC.HK; CK45 F TAPC 50V 8.047M-Z C-ELECTROLYTIC; CE04W 6.3V 1008W C-CERAMIC.HK; CK45 F TAPC 50V 9.001M-Z C-CERAMIC.HK; CK45 F TAPC 50V 9.001M-Z C-CERAMIC.HK; CK45 F TAPC 50V 9.001M-Z C-CERAMIC.HK; CK45 F TAPC 50V 9.001M-Z C-CERAMIC.HK; CK45 F TAPC 50V 9.001M-Z C-CERAMIC.HK; CK45 F TAPC 50V 9.001M-Z C-CERAMIC.HK; CK45 F TAPC 50V 9.001M-Z C-CERAMIC.HK; CK45 F TAPC 50V 9.001M-Z C-CERAMIC.HK; CK45 F TAPC 50V 9.001M-Z C-CERAMIC.HK; CK45 F TAPC 50V 9.001M-Z	S.N.A				
801 802 IN B	61848177183 61246185-183 61246185224 63895186594 63124183338 61417189288 61417189848 61417189848 61417189848 61417189848 61417189848 61417189848	R-METAL FILM:RN 1/8TS 18K-J R-METAL FILM:RN 1/8TS 10K-J R-METAL FILM:RN 1/8TS 10K-J R-METAL FILM:RN 1/8TS 10K-J R-SEMI:RH0615C 10KB VR-SEMI:RH0615C 220KB SYSCON PART(1):PAL(G-8WH HI-FI) WIRE-GND:1007 #18 170 BLK YO PWB-SYS/SER:94V0 1.6X317X145(VX-770) PIN-TEST POINT:BSW 1/4H P11.0 SN C-CERAMIC.HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPG 50V 0.001M-Z	S.N.A				
801 802 IN B	61848177183 61246185-103 61246185-224 63854211138 63885886-594 63124183338 61417189288 61417189848 61417189848 61417189848 61417189848 61417189848 61417189848 61417189848	R-METAL FILM:RN 1/8TS 18K-J R-METAL FILM:RN 1/8TS 10K-J R-METAL FILM:RN 1/8TS 10K-J R-SENI:RH06:ISC 10KB VR-SENI:RH06:ISC 220KB SYSCON PART(1):PAL(G-8WH HI-FI) WIRE-GND:1007 #18 170 BLK YO PWB-SYS/SER:94V0 1.6X3:17X145(VX-770) PIN-TEST POINT:BSW 1/4H PI1-0 SN C-CERAMIC-HK:CK45 F TAPG 58V 0.047M-Z C-ELECTROLYTIG:CE04W 6.3V 1008M C-CERAMIC-HK:CK45 F TAPG 58V 0.001M-Z C-CERAMIC-HK:CK45 F TAPG 58V 0.001M-Z C-CERAMIC-HK:CK45 F TAPG 58V 0.001M-Z C-CERAMIC-HK:CK45 F TAPG 58V 0.001M-Z C-CERAMIC-HK:CK45 F TAPG 58V 0.001M-Z C-CERAMIC-HK:CK45 F TAPG 58V 0.001M-Z C-CERAMIC-HK:CK45 F TAPG 58V 0.001M-Z C-CERAMIC-HK:CK45 F TAPG 58V 0.001M-Z C-CERAMIC-HK:CK45 F TAPG 58V 0.001M-Z C-CERAMIC-HK:CK45 F TAPG 58V 0.001M-Z C-CERAMIC-HK:CK45 F TAPG 58V 0.1M-Z CONNECTOR-WAFER:5267-07A CONNECTOR-WAFER:5267-07A CONNECTOR-WAFER:5267-13A					
801 802 IN B 801 802 805 806 807 807 807 807 808 809	61848177183 61246185-183 61246185-224 63854211138 63805866-594 63124183338 61417189848 61417189848 61417189948 61417189948 61417189948 61417189948 61417189948 61417189948	R-METAL FILM;RM 1/8TS 18K-J R-METAL FILM;RM 1/8TS 10K-J R-METAL FILM;RM 1/8TS 10K-J R-METAL FILM;RM 1/8TS 10K-J VR-SEMI;RH0615C 10KB VR-SEMI;RH0615C 220KB SYSCON PART(1);PAL(G-8WH HI-FI) WIRE-GND;1007 #18 178 BLK YD PWB-SYS/SER;94V0 1.6X317X145(VX-770) PIN-TEST POINT;BSW 1/4H PI1.0 SN C-CERAMIC.HK:CK45 F TAPC 50V 0.047M-Z C-ELECTROLYTIC;CE04W 6.3V 1008M C-CERAMIC.HK:CK45 F TAPC 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPC 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPC 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPC 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPC 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPC 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPC 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPC 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPC 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPC 50V 0.1M-Z CONNECTOR-WAFER;5267-13A CONNECTOR-WAFER;5267-13A					
801 802 IN B 01 02 04 05 06 07 10 14 1501 1502 1503 02	61848177183 61246185-183 61246185-224 	R-METAL FILM:RW 1/8TS 18K-J R-METAL FILM:RW 1/8TS 10K-J VR-SEMI:RH0615C 10KB VR-SEMI:RH0615C 10KB VR-SEMI:RH0615C 220KB SYSCON PART(1):PAL(G-8WH HI-FI) WIRE-GND:1007 #18 170 BLK YO PWB-SYS/SER:94V0 1.6X317X145(VX-770) PIN-TEST POINT:BSW 1/4H P11.0 SN C-CERAMIC-HK:CK45 F TAPG 50V 0.047M-Z C-ELECTROLYTIC:CE04W 6.3V 1008M C-CERAMIC-HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC-HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC-HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC-HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC-HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC-HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC-HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC-HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC-HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC-HK:CK45 F TAPG 50V 0.001M-Z CONNECTOR-WAFER:5267-10A CONNECTOR-WAFER:5267-10A DIODE:1N4148 SAMSUNG	S.N.A				
IN B IN B	61848177183 61246185-183 61246185224 	R-METAL FILM:RW 1/8TS 18K-J R-METAL FILM:RW 1/8TS 10K-J R-METAL FILM:RW 1/8TS 10K-J R-METAL FILM:RW 1/8TS 10K-J R-SEMI:RH06:ISC 10KB VR-SEMI:RH06:ISC 220KB SYSCON PART(1):PAL(G-8WH HI-FI) WIRE-GND:1807 #18 170 BLK YO PWB-SYS/SER:94V0 1.6X317X145(VX-770) PIN-TEST POINT:BSW 1/4H P11.0 SN C-CERAMIC.HK:CK45 F TAPG 50V 0.047M-Z C-ELECTROLYTIG:CE04W 6.3V 1808M C-CERAMIC.HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPG 50V 0.001M-Z C-CERAMIC.HK:CK45 F TAPG 50V 0.001M-Z CONNECTOR-WAFER:5267-10A CONNECTOR-WAFER:5267-10A CONNECTOR-WAFER:5267-10A CONNECTOR-WAFER:5267-10A CONNECTOR-WAFER:5267-10A CONNECTOR-WAFER:5267-10A CONNECTOR-WAFER:5267-10A CONNECTOR-WAFER:5267-10A CONNECTOR-WAFER:5267-10A CONNECTOR-WAFER:5267-10A CONNECTOR-WAFER:5267-10A CONNECTOR-WAFER:5267-10A CONNECTOR-WAFER:5267-10A CONNECTOR-WAFER:5267-10A CONNECTOR-WAFER:5267-10A CONNECTOR-WAFER:5267-10A CONNECTOR-WAFER:5267-10A CONNECTOR-WAFER:5267-10A	S.N.A				
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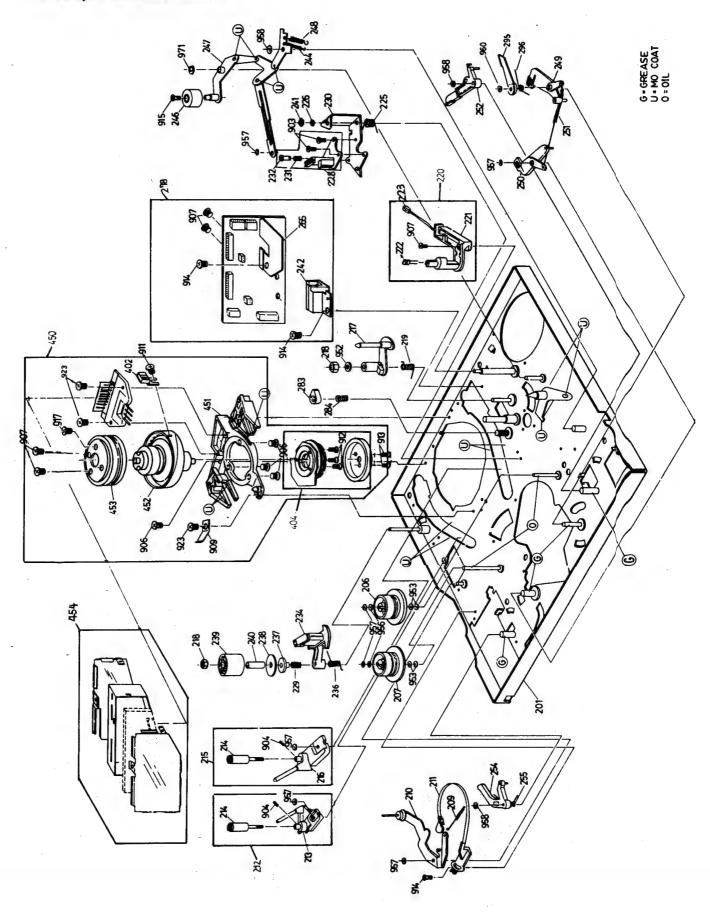
[.] S.N.A : SERVICE NOT AVAILABLE

7. MECHNICAL EXPLODED VIEWS

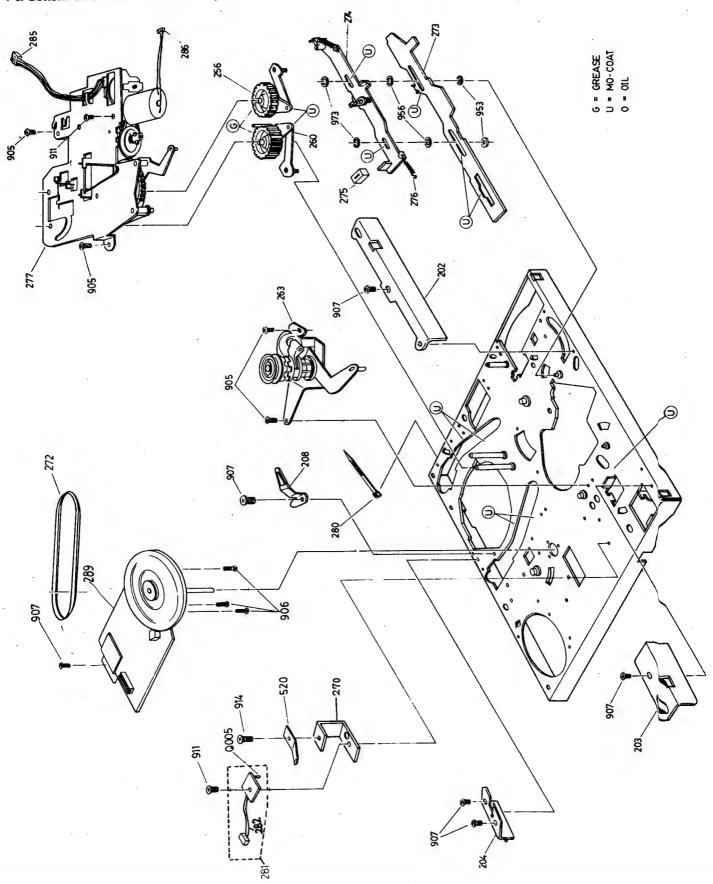
		Page
7-1.	Instrument Assembly	7-2
7-2 .	Transport Mechanism Assembly	7-3
7-3.	Bottom Side Mechanism Assembly	7 - 4
7-4.	Housing Assembly	7 - 5

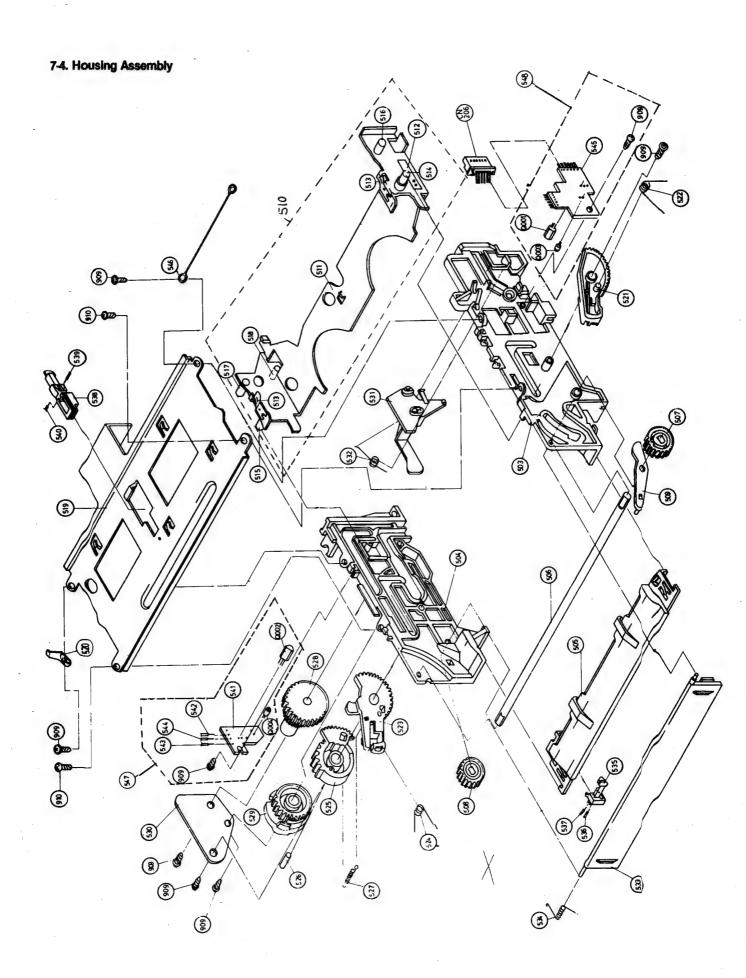


7-2. Transport Mechanical Assembly



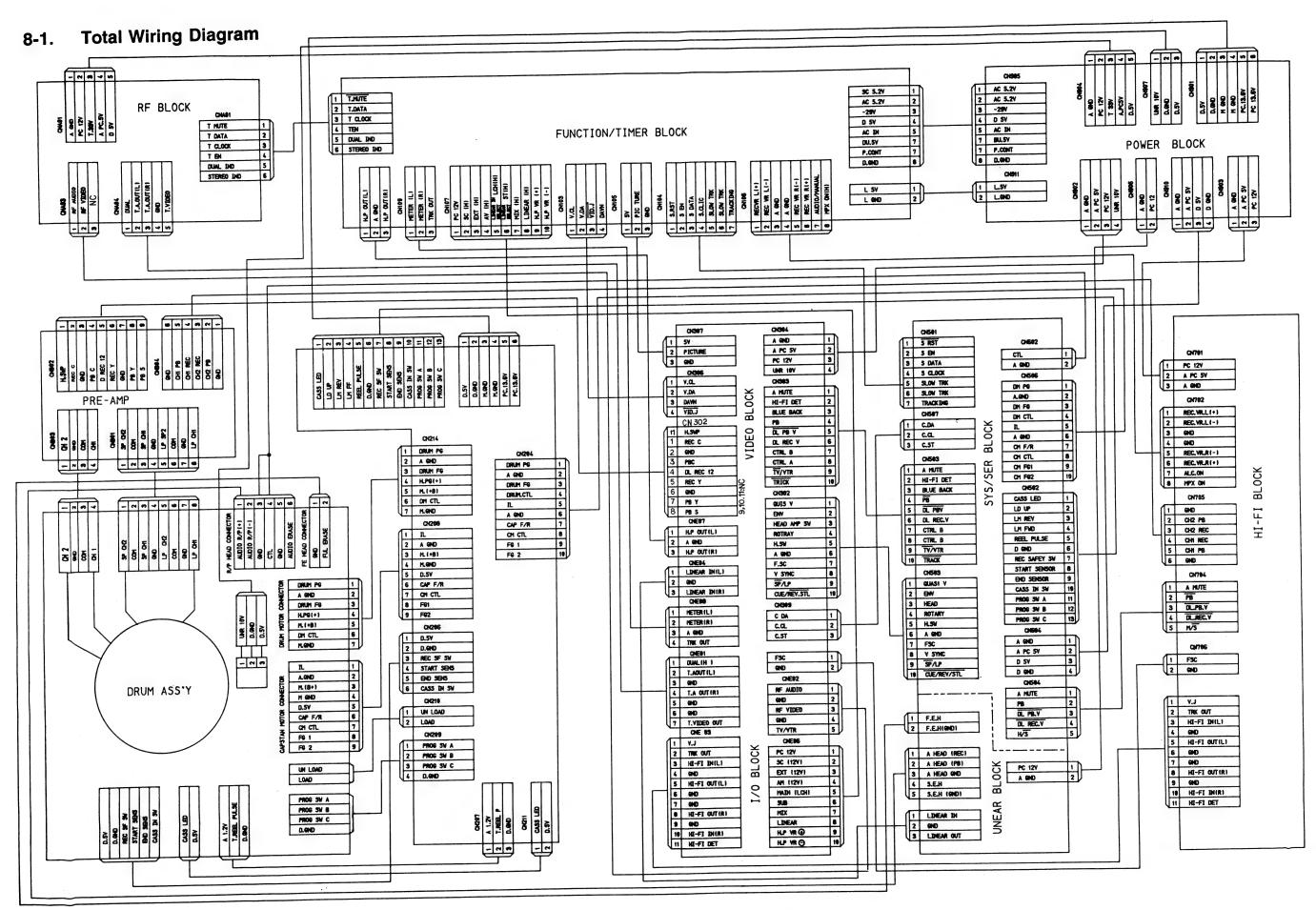
7-3. Bottom Side Mechanical Assembly

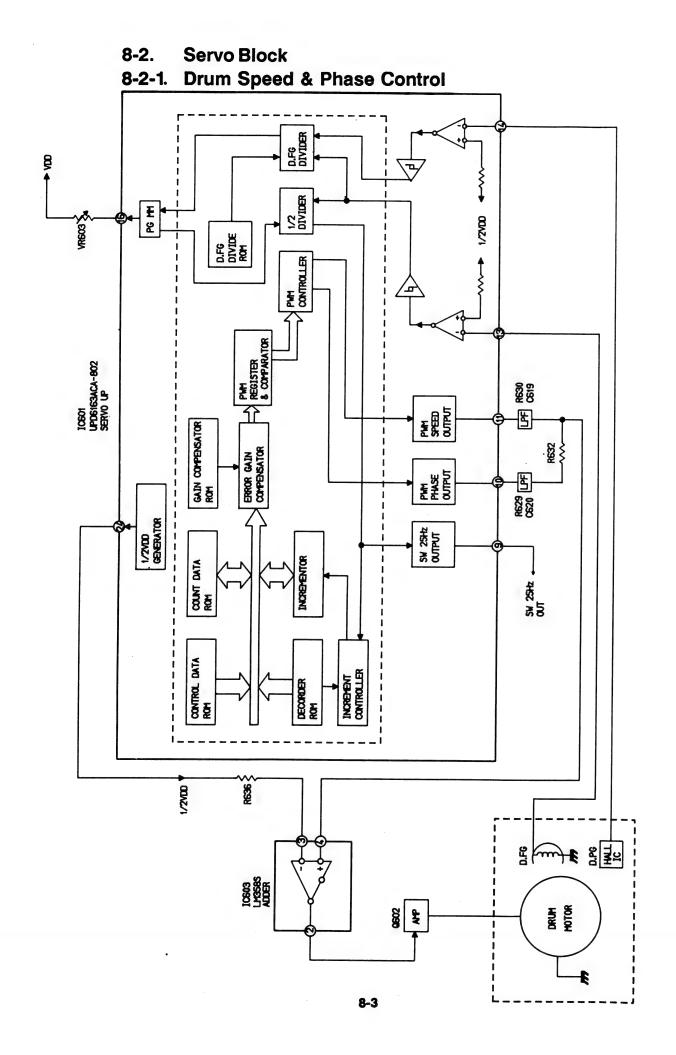




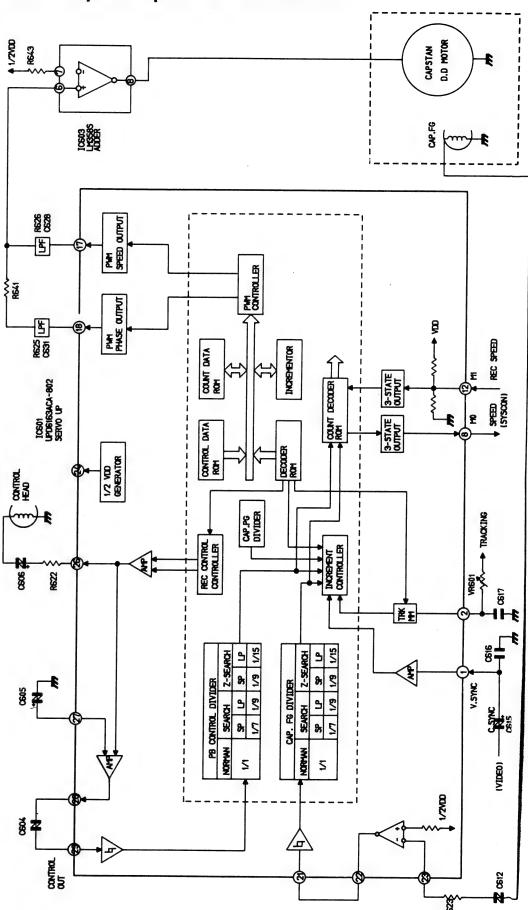
8. BLOCK DIAGRAMS

		Page
8-1.	Total Wiring Diagram	8-2
8-2.	Servo Block	8-3
8-2-1.	Drum Speed & Phase Control	8-3
8-2-2.	Capstan Speed & Phase Control	8-3
8-3.	Video Block	8-4
8-3-1.	Luminance Playback Process	8-4
8-3-2.	Luminance Record Process	8-4
8-3-3.	Chrominance Playback Process	8-4
8-3-4.	Chrominance Record Process	8-4
8-4.	Audio & Input Output Select	8-5
8-5 .	Hi-Fi	8-5

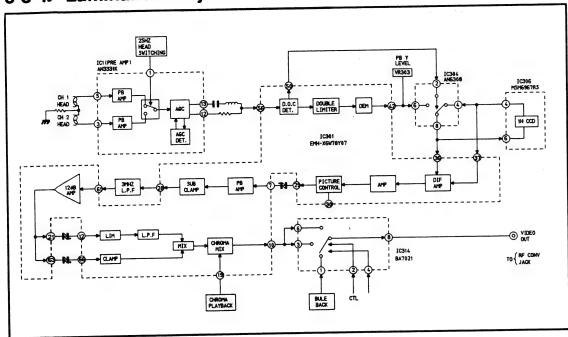




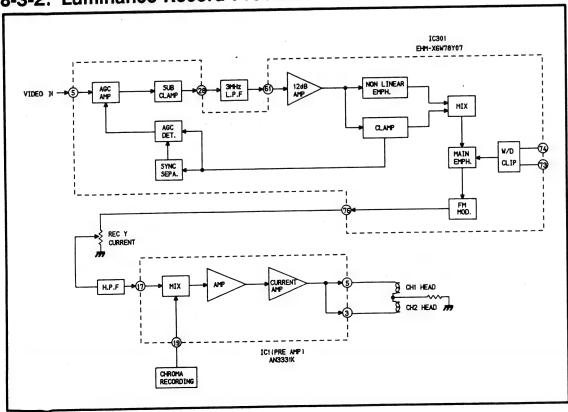
8-2-2. Capstan Speed & Phase Control



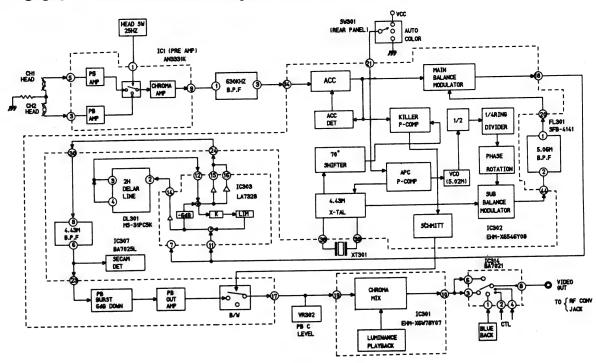
8-3. Video Block 8-3-1. Luminance Playback Process



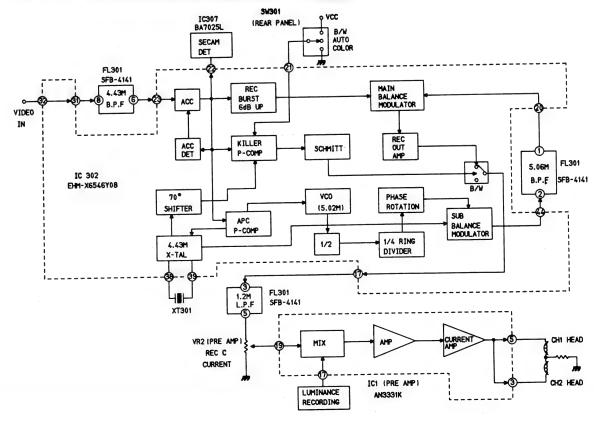
8-3-2. Luminance Record Process

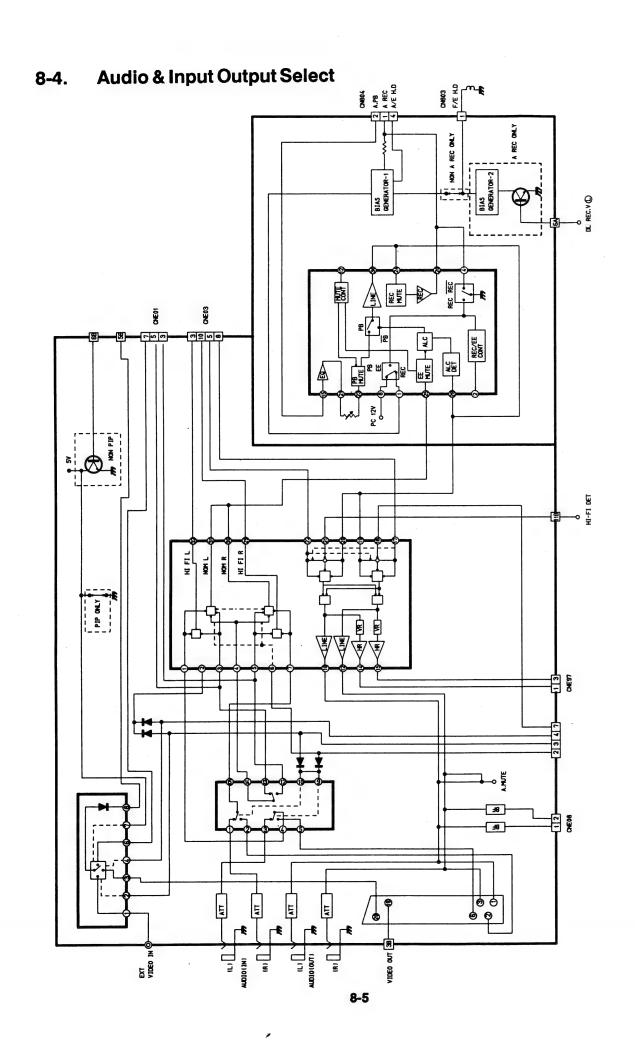


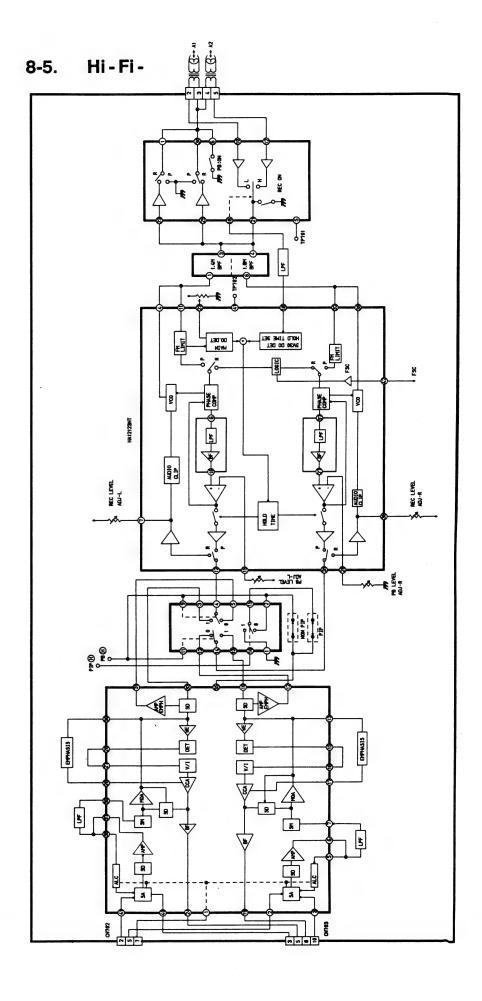
8-3-3. Chrominance Playback Process



8-3-4 Chrominance Record Process

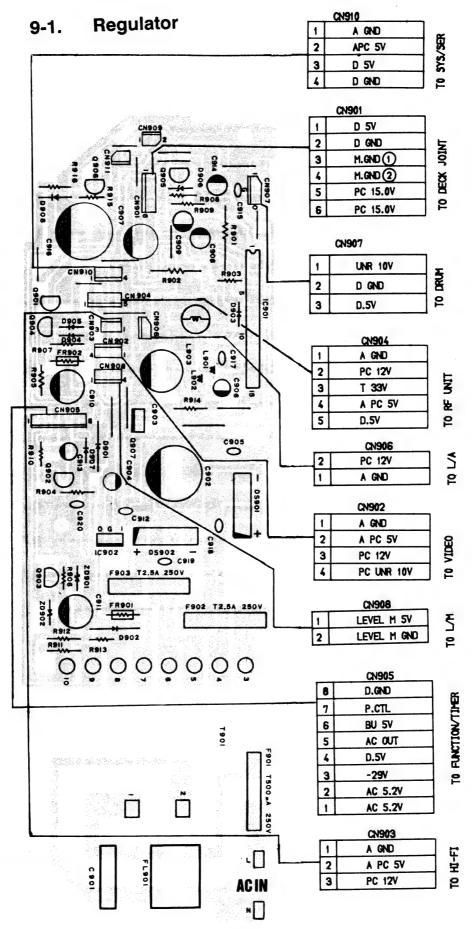




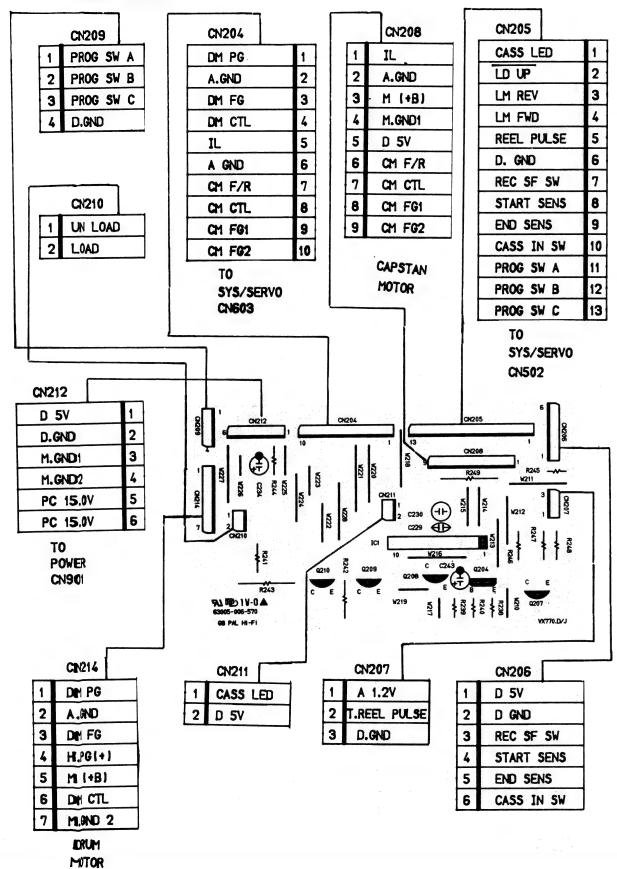


9. CIRCUIT BOARDS

		Page
9-1.	Regulator	9-2
9-2.	Deck Joint	9-3
9-3.	Audio Control Head	9-3
9-4.	Cassette LED	9-3
9-5.	Reel Sensor	9-3
9-6.	Start Sensor	9-3
9-7.	End Sensor	9-4
9-8.	Program Switch	9-4
9-9.	Pre AMP	9-4
9-10.	Remote Control	9-4
9-11.	Main A(Y/C,Input Output Select)	9-5
9-12.	Main B(Syscon/Servo,Audio)	9-6
9-13.	Main C (Hi-Fi)	9-7
9-14.	Tuner	9-7
9-15.	Function & Timer	9-8

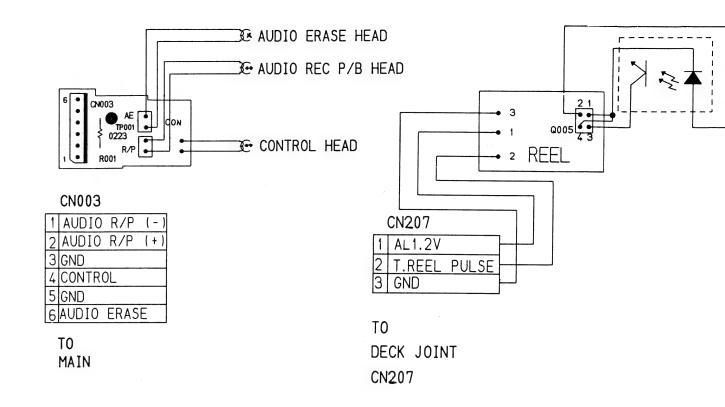






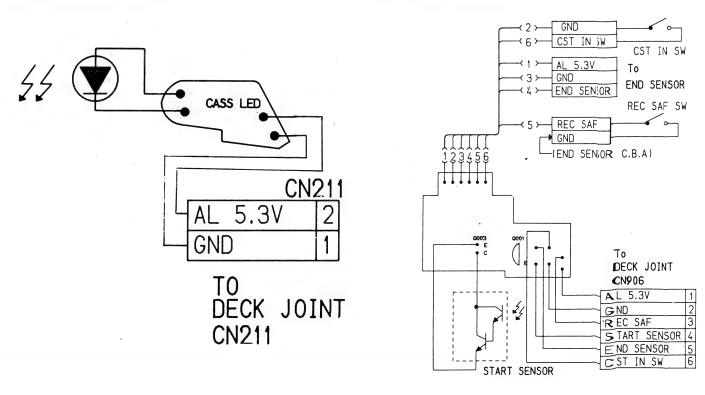
9-3. Audio/Control Head

9-5. Reel Sensor

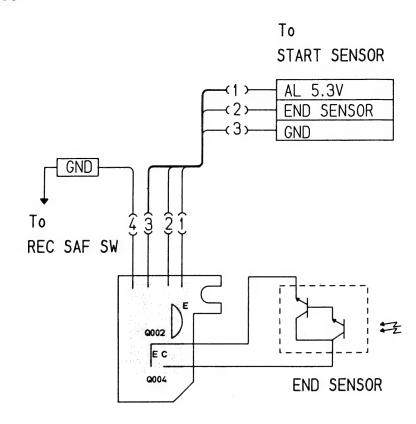


9-4. Cassette LED

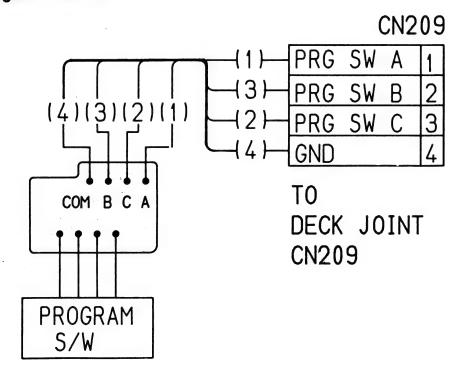
9-6. Start Sensor



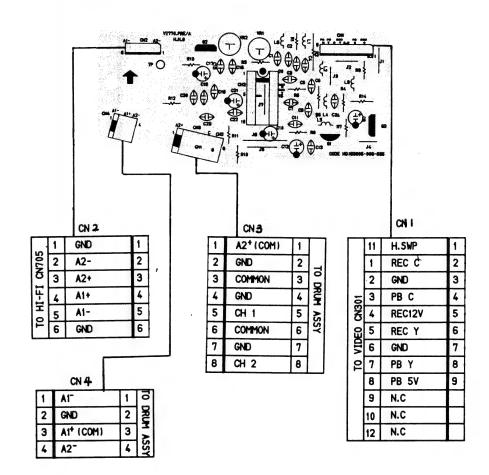
9-7. End Sensor



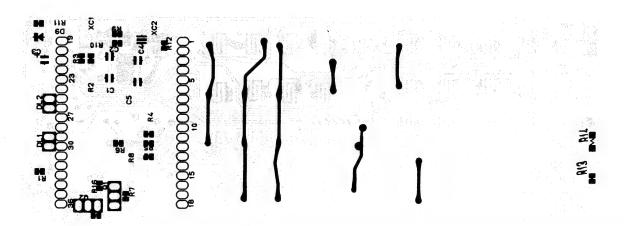
9-8. Program Switch

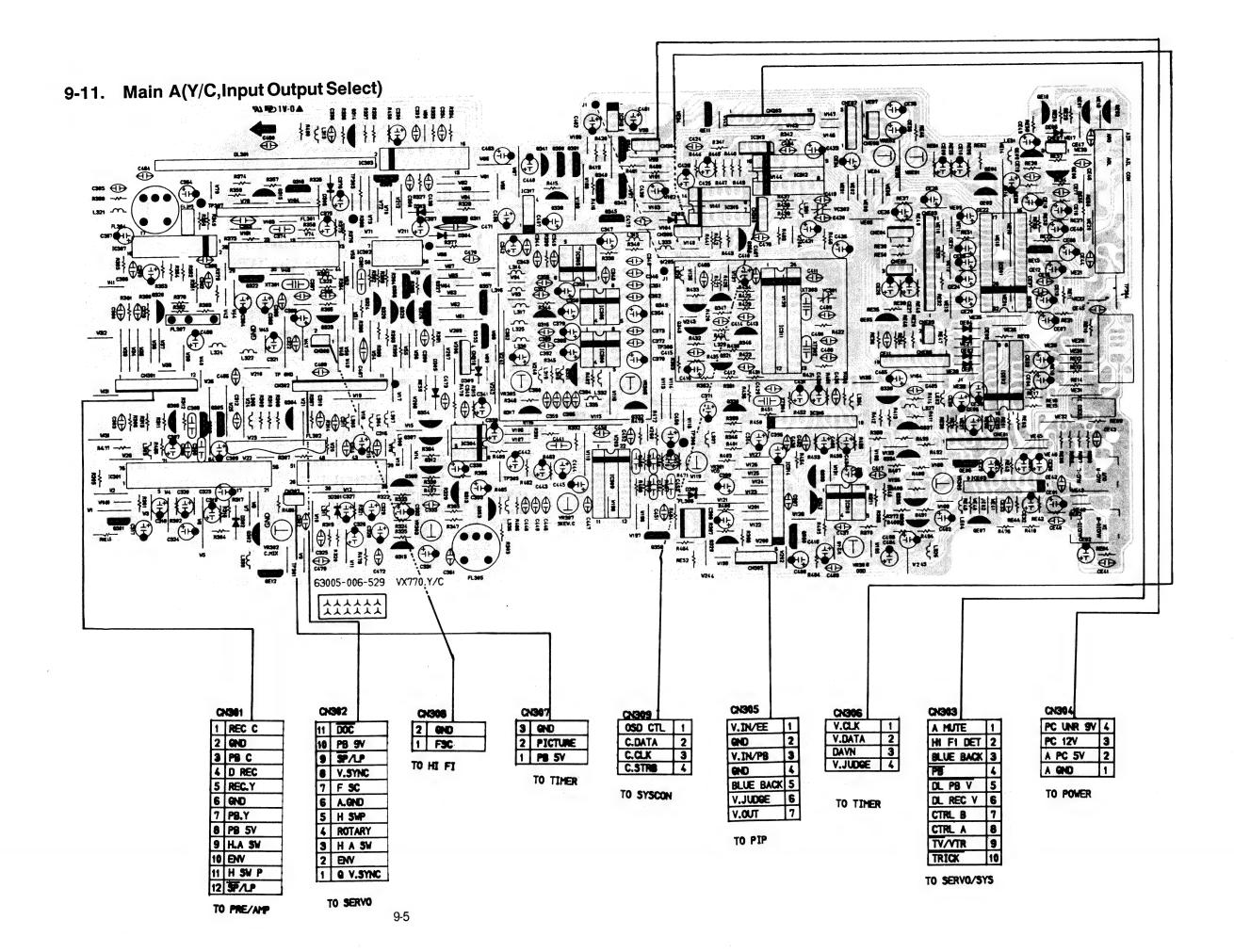


9-9. Pre AMP

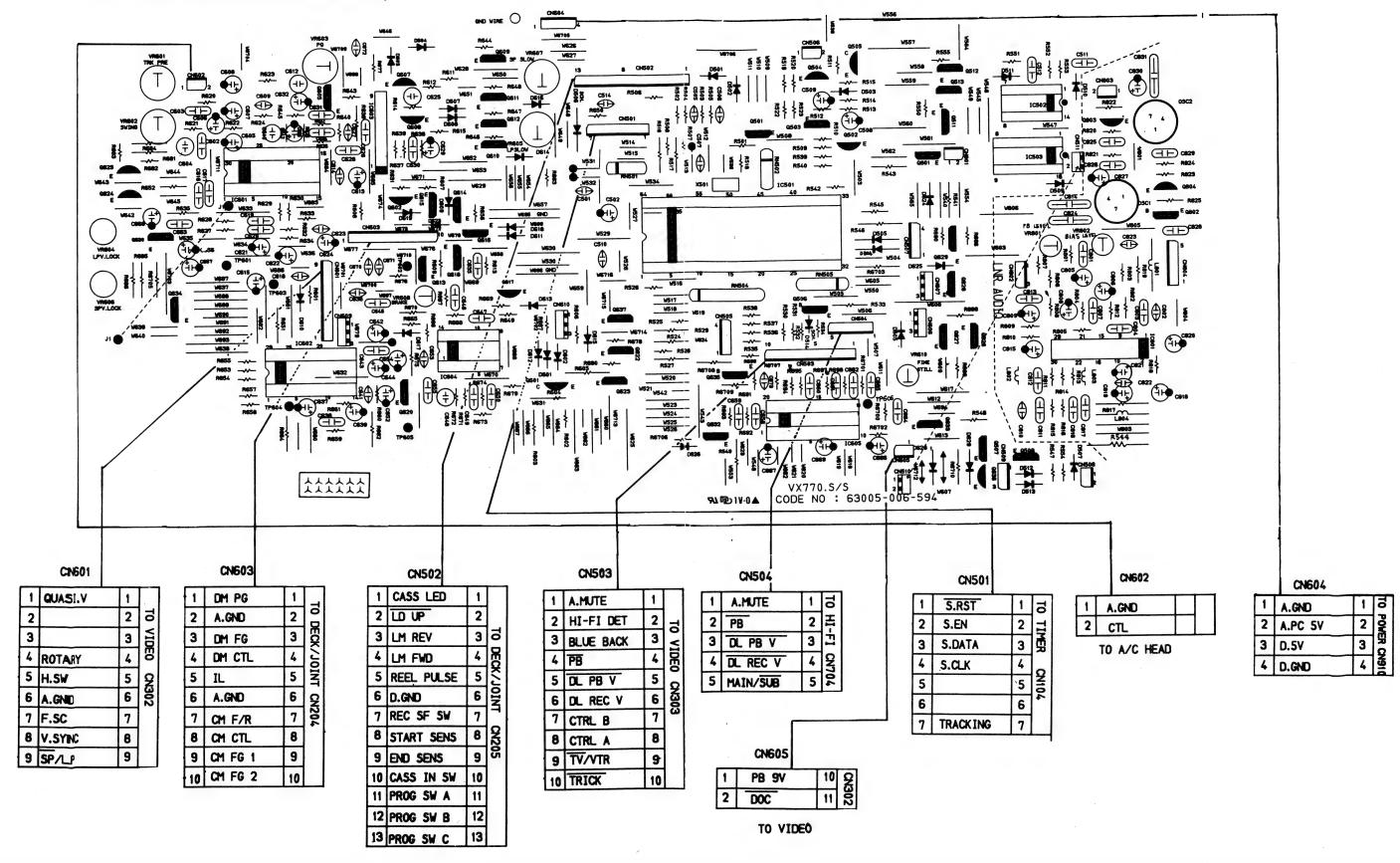


9-10. Remote Control

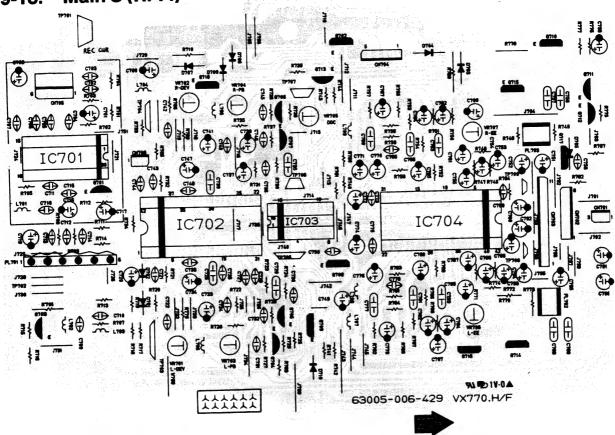




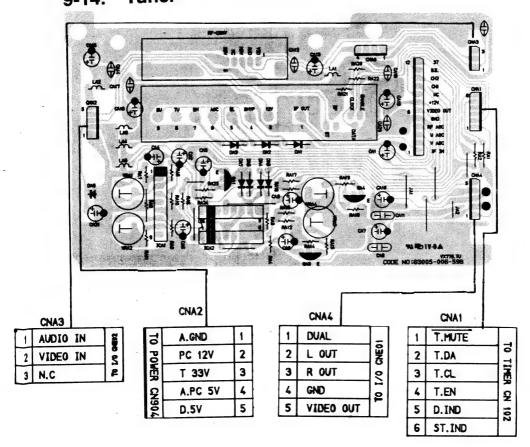
9-12. Main B(Syscon/Servo, Audio)

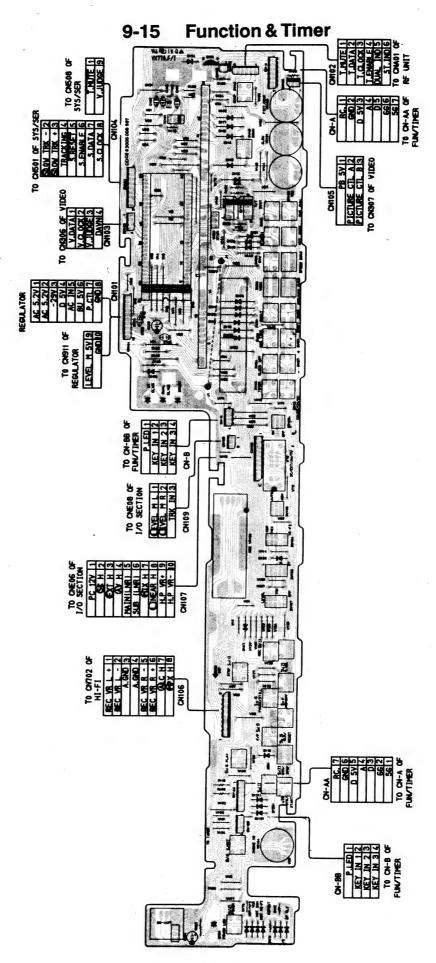


9-13. Main C (Hi-Fi)



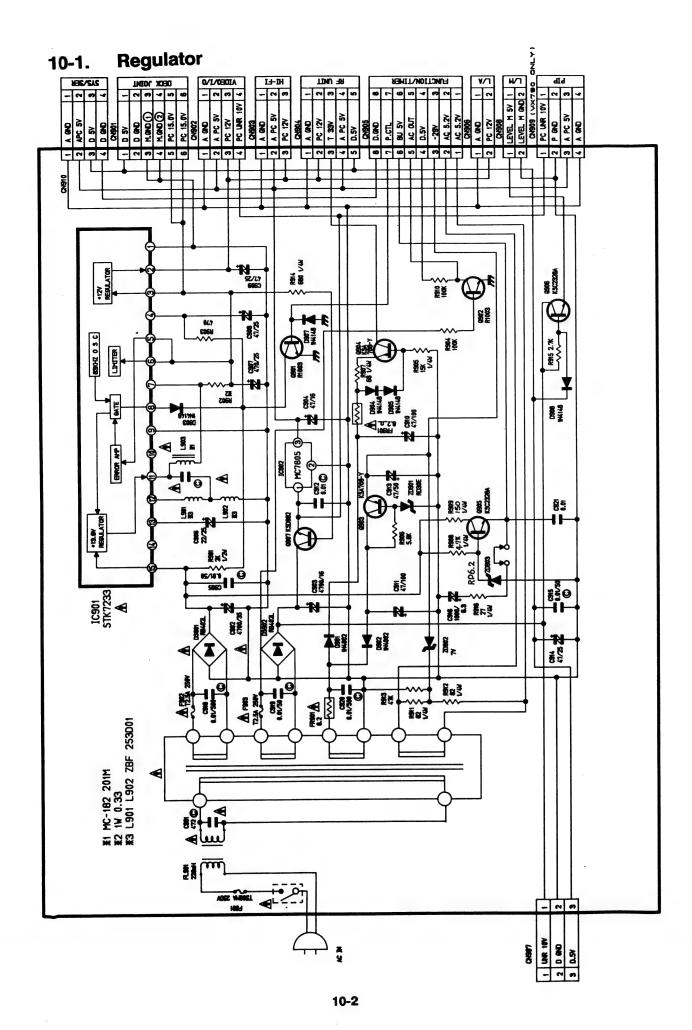
9-14. Tuner





10. SCHEMATIC DIAGRAMS

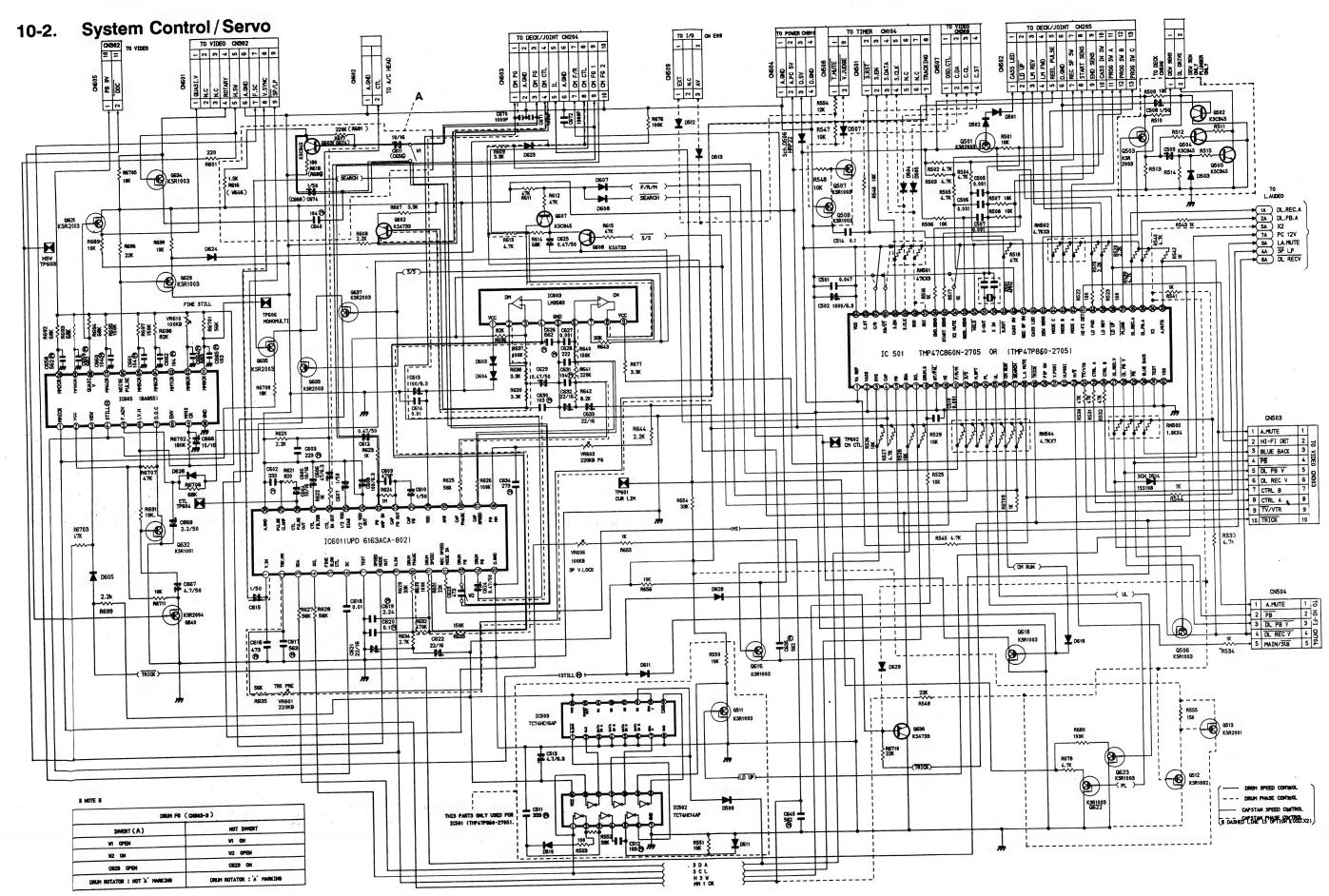
		Page
10-1.	Regulator	10-2
10-2.	System Control/Servo	10-3
10-3.	Deck Joint	10-5
10-4.	Function/Timer	10-6
10-5.	Lumiance/Chrominance	10-7
10-6.	Input Output Select	10-10
10-7.	Hi-Fi Audio	10-11
10-8.	Linear Audio	10-12
10-9.	Video Pre AMP	10-13
10-10.	Remote Control	10-13
10-11.	Tuner(SVX-319,VX-770,VB-770)	10-14
10-12.	Tuner(VI-770)	10-15



TR REGULATOR C.B.A MODE REC STOP P R W D B TR NO. C B C B В B В
 0
 15.6
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 -31.8
 -41.9
 -40.9
 -40.9 Q 901 Q 903 Q 904 Q 906 Q 907 Q 909

IC901 REGULATOR C.B.A										
PIN NO	STOP	PLAY	RBC	FF	REW					
1	0	0	0	0	0					
2	11.9	11.9	11.9	11.9	11.9					
3	15.0	15.0	15.0	15.0	15.0					
4	14.8	14.8	14.8	14.8	14.8					
5	15.0	15.0	15.0	15.0	15.0					
6	15.0	15.0	15.0	15.0	15.0					
7	15.1	15.1	15.1	15.1	15.1					
8	3.7	3-7	3.7	3.7	3.7					
9	0	0	0	0	0					
10	0	0	0	0	0					
11	15.2	15.2		15.2	15.2					
12	0	0	0	0	0					
13	7.9	7.9	7.9	7.9	7.9					
14	0	0	0	0	0					
15	19.1	19.1		19.1	19.1					

IC902 REGULATOR C.B.A										
PIN NO	STOP	PLAY	RBC	P P	RBW					
1 2 3	9.2 0 5.0	9.2 0 5.0	9.2 0 5.0	9.2 0 5.0	9.2 11.9 15.0					



IC501(TMP47P8606N) MAIN "B" (SYSCON) C.B.A								
PIN NO	STOP	RBC	PLAY	RBW	P.PWD	REV S.	PWD S	
1	4.7	4.8	4.7	4.7	4.7	4.7	4.7	
2 3	0	0	0	3.6	0	0 3.6	0	
4	Ŏ	5.0	4.9	5.0	5.0	4.9	4.9	
5	0	0	0	0	0	0	0	
6	4.9	5.0 5.0	4.9	4.9	4.9	4.9 4.9	4.9	
8	4.5	3.0	4.5	-	4.5	-	4.5	
9	0	0	0	0	0	0	0	
10	4.9	5.0	4.9	4.9	4.9	4.9	4.9	
11 12	5.0	5.0 5.0	4.9	0 5.0	0 5.0	4.9 4.9	4.9	
13	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	
15 16	4.3	0	0	0	0	0	0	
17	5.0	5.0	4.9	5.0	5.0	Ŏ	ő	
18	0	0	0	0.	0	4.5	4.5	
19	4.8	4.8	4.8	4.8	4.8	0	0	
20 21	-	-	_	-	_	_	-	
22	-	-	- '	-	-	-	-	
23	-	4.8	4.7	4.7	4.7	4.7	4.7	
24 25	4.7	4.8	4.7	4.7	4.7	4.7	4.7 0	
26	ő	0	Ö	Ö	Ö	ŏ	Ö	
27	0	4.5	0	0	0	0	0	
28 29	4.4	4.5 5.0	0 0.2	4.4	4.4	0 0.2	0 0.2	
30	4.6	0	0.2	4.6	4.6	0.2	0.2	
31	0	0	0	0	0	0	0	
32	0	0	0	0	0	0	0	
33 34	0	0	0	0	0	3.9	3.9	
35	0	0	4.6	0	0	4.7	4.7	
36	0	4.6	0 4.7	0	0	0	0	
37 38	4.7	4.7 3.5	3.5	4.7 9.1	4.7 9.3	4.7	4.7	
39	2.8	2.9	2.8	2.8	2.8	2.8	2.8	
40	2.8	2.9	2.8	2.8	2.8	2.8	2.8	
41 42	0.6 0	0.7 4.7	3.7 4.7	0.6 4.7	0.6 4.7	3.7	3.7 4.7	
43	4.7	0	. 0	0	0	4.7	0	
44	0	4.7	4.7	0	0	4.7	4.7	
45 46	4.7	4.8 0	4.7	4.7	4.7	4.7	4.7	
47	0	4.8	0	0	0	0	0	
48	4.7	4.8	4.7	4.7	4.7	4.7	4.7	
49 50	4.7 2.1	4.7 2.2	4.7 2.1	4.7 2.1	2.1	4.7	4.7	
51	2.3	2.4	2.3	2.3	2.3	2.3	2.3	
52	4.7	4.8	4.7	4.7	4.7	4.7	4.7	
53 54	4.7	4.8	4.7	4.7	4.7	4.7	4.7	
55	0	0	0	0	0	0	0	
56	0	0	0	0	0	0	0	
57 58	-		-	-	-	-	-	
59	-	-	-	-	-	-	-	
60	-	- 1	-	-	-	-	- 1	
61 62	0 4.7	0 4.8	0 4.7	0 4.7	0	0 4.7	0 4.7	
63	4.7	-	4.7	-	4.7	4.7	4.7	
64	4.7	4.8	4.7	4.7	4.1	4./	4.7	

IC601 (U	PD6163.	ACA-8	02)	MIAN "	B" (SBR	VO) C.B	٠٨
PIN NO	STOP	RBC	PLAY	RBW	F.FWD	REV S.	PWD S.
1	2.8	2.7	2.7	2.7	2.7	2.7	2.7
2	-	-	-	-	-	-	-
3	4.9	4.9	4.9	4.9	4.9	4.9	4.9
4	4.9	4.9	4.9	4.9	4.9	4.9	4.9
5	-	-	-	_	-	-	_
6	2.5	2.6	2.5	2.5	2.5	2.5	2.5
7	0	0	0	0	0	0	0
8	0	_	-	Õ	Ò	-	_
9	0	-	- 1	_	-	-	-
10	2.5	2.0	2.2	2.5	2.5	2.2	2.2
11		2.5	2.5	5.0	5.0	2.4	2.4
12	5.0	5.0	4.9	5.0	5.0	4.9	4.9
13		2.5	2.4	2.5	2.5	2.4	2.4
14		2.5	2.4	2.5	2.5	2.4	2.4
15	0	0	0	0	0	0	0
16	_	_	_	_	_	-	_
17	-	2.6	2.5	2.4	2.4	2.5	2.5
18	-	2.4	-	2.5	2.5	_	_
19	-	-	-	-	_	_	_
20	5.0	5.0	4.9	5.0	5.0	4.9	4.9
21			2.4	2.4	2.4	2.4	2.4
22			2.5	2.5	2.5	2.5	2.5
23			2.4	2.4	2.4	2.4	2.4
24			2.4	2.5	2.5	2.4	2.4
25			2.4	2.5	2.5	2.4	2.4
26			2.4	2.4	2.4	2.4	2.4
27			2.4	2.5	2.5	2.4	2.4
28			0.9	0.9	0.9	0.9	0.9
29			2.5	2.8	2.8	2.5	2.5
30	0	0	0	0	0	0	0

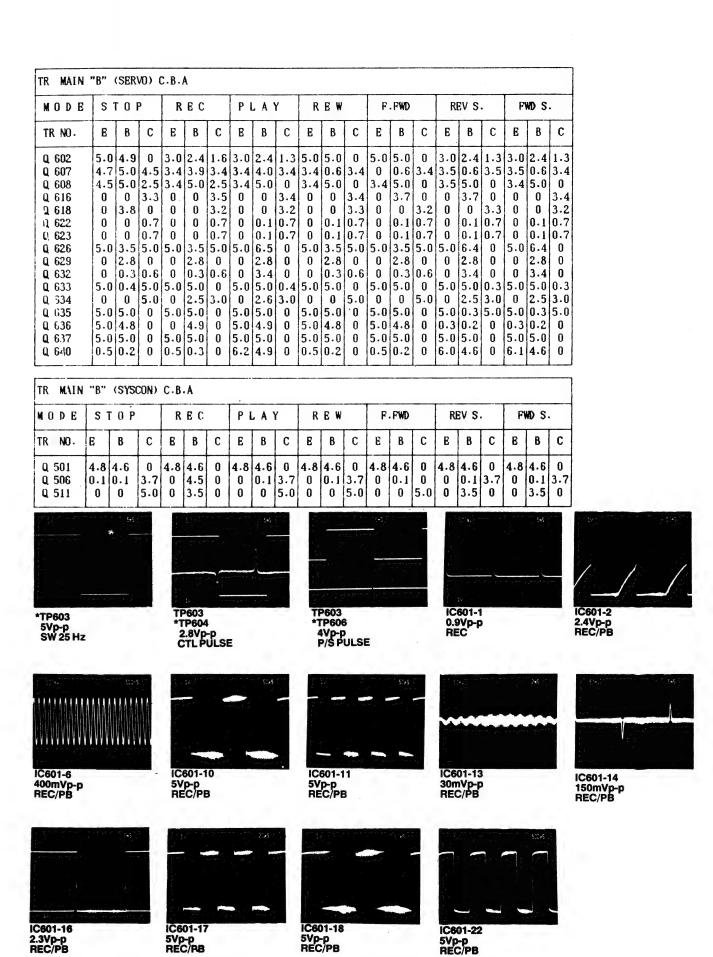
STOP	RBC	PLAY	REW	F.FWD	REV S.	FWD S
6.1	6.2	6.1	6.2	6.2	6.1	6.1
		2.3				2.3
2.9	2.4	2.4	2.9	2.9		2.4
4.4	2.5	2.4	4.4	4.4	2.4	2.4
0	0	0	0	0	0	0
4.1	2.5	2.4	2.5	2.5	2.4	2.4
2.5	2.5	2.4	2.4	2.4	2.4	2.4
4.5	3.4	3.4	3.4	3.4	3.5	3.4
6.1	6.2	6.1	6.2	6.2	6.1	6.1
	6.1 4.9 2.9 4.4 0 4.1 2.5 4.5	6.1 6.2 4.9 2.4 2.9 2.4 4.4 2.5	6.1 6.2 6.1 4.9 2.4 2.3 2.9 2.4 2.4 4.4 2.5 0 0 0 4.1 2.5 2.4 2.5 2.5 2.4 4.5 3.4 3.4	6-1 6-2 6-1 6-2 4-9 2-4 2-3 4-9 2-9 2-4 2-4 2-9 4-4 2-5 2-4 4-4 0 0 0 0 4-1 2-5 2-4 2-5 2-5 2-5 2-4 2-4 4-5 3-4 3-4 3-4	6.1 6.2 6.1 6.2 6.2 4.9 2.4 2.3 4.9 4.9 2.9 2.4 2.4 2.9 2.9 4.4 2.5 2.4 4.4 4.4 0 0 0 0 0 4.1 2.5 2.4 2.5 2.5 2.5 2.5 2.4 2.4 2.4 4.5 3.4 3.4 3.4 3.4	6.1 6.2 6.1 6.2 6.2 6.1 4.9 2.4 2.3 4.9 4.9 2.3 2.9 2.4 2.4 2.9 2.9 2.4 4.4 2.5 2.4 4.4 4.4 2.4 0 0 0 0 0 0 4.1 2.5 2.4 2.5 2.5 2.4 2.5 2.5 2.4 2.4 2.4 2.4 4.5 3.4 3.4 3.4 3.5

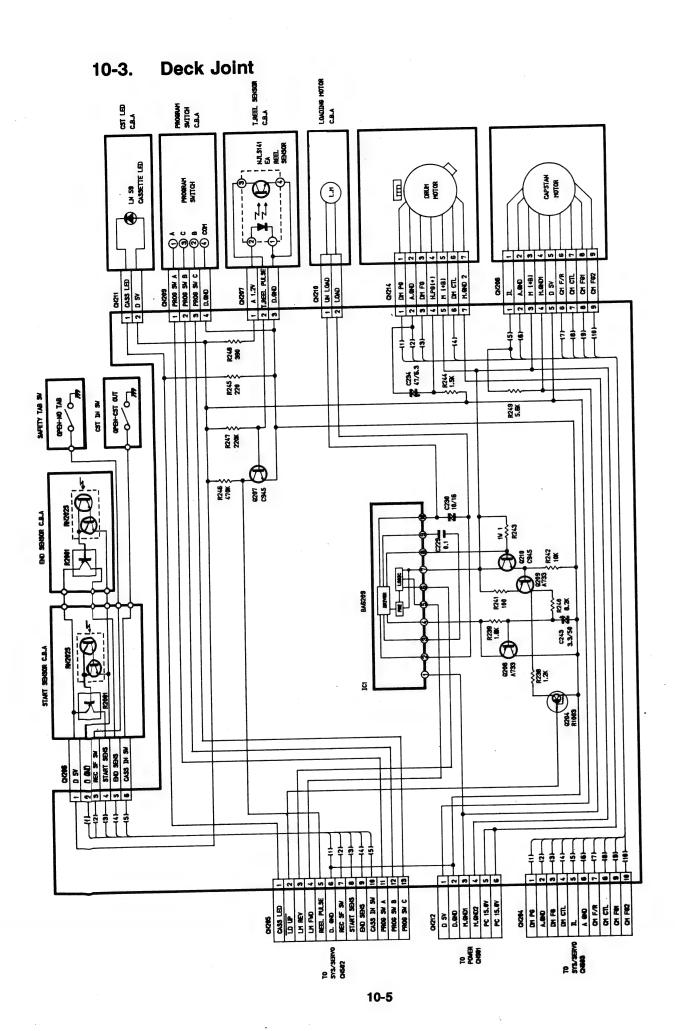
IC605 (BA855A) MA	IN "B"	(SBRV	O) C.B.	٠.٨	
PIN NO	STOP	RBC	PLAY	RBW	P.PWD	REV S.	PWD S.
1	-	-	-	-	-	-	-
2	0.5	0.6	8.9	0.5	0.5	8.9	8.9
	- 1	-	-	-	- !	-	-
4	0.5	0	0.3	0	0	0.3	0.3
5	0	5.0	4.9	4.9	4.9	4.9	4.9
6	0.5	0.6	8.9	0.5	0.5	8.9	8.9
7	-	-	-	- 1	-	- 1	-
7 8	- 1	-	-	- 1	1 - 1	- 1	-
9	0.5	0.5	0	0.5	0.5	0	0
10	0	0	0	0	0	Ö	Ŏ
11	0.5	0.6	0	0.5	0.5	0	Ö
12	0.5	0.6	8.9	0.5	0.5	Ö	Ŏ
13	- 1	-	-	-	- 1	-	-
14	0.5	0.6	0	0.5	0.5	0	0
15	0.5	0.6	0	0.5	0.5	Ŏ	۱ŏ
16	2.7		2.7	2.7	2.7	2.7	2.7
17	0.5	0.6	0	0.5	0.5	0	0
18	3.4		6.4	3.4	3.4	6.3	6.3
19	0.5	0.6	0	0.5	0.5	0	0
20	0.5		8.9	0.5	0.5	ŏ	ŏ
	1	•••		, 0.0	1		

2.3Vp-p REC/PB

5Vp-p REC/RB

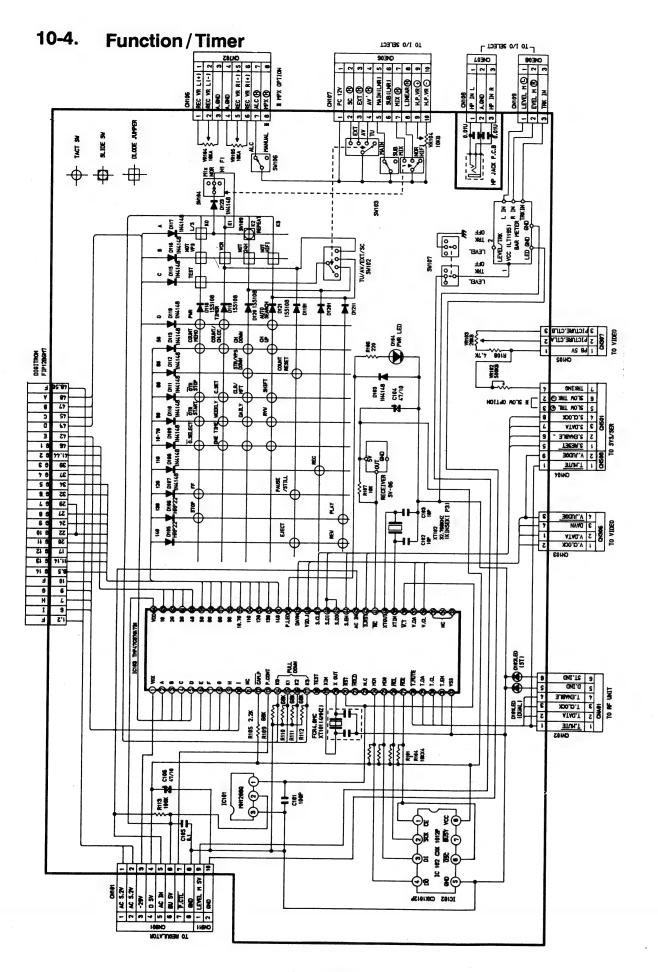
10-4





ODB	S	T 0	Р	F	R B	C	F	L	Y		R	B.	F	. FW	AD	R	BV.	s	PW	D.S	
TR NO.	В	В	С	В	В	С	В	В	С	В	В	С	В	В	С	В	В	С	В	В	Ľ
Q 204 Q 207 Q 208 Q 209 Q 210	0 0 15 15 14.4	0 0.1 15 14.4	0	-	3.5 - 0.5 15 15	0	0 0.5		-	15 15	0.3	15 1.3 0 15 15	0 0 15 15 14	10 0.3 14 15		_	- 0.5	9.5 - 0 0.5 15	0 0.5	3.5 - 0.5 14 15	-

							DEED C
PIN NO	STOP	RBC	PLAY	RBW	P.PWD	RBV S.	LMD 2
1	-3.4	0	0	0	0	0	0
2	0.5	0.6	0.5	0.5	0.5	0.6	0.6
3	0.9	0.9	0.9	0.9	0.9	0.9	0.9
	15	0.5	0.5	15	15	0.9	0.9
4 5	2.8	2.9	2.8	2.8	1.2	2.9	2.9
6	2.8	2.8	2.8	2.8	2.8	2.9	2.9
7	15	15	15	15	15	15	15
8	15	15	15	15	15	15	15
9	0.9	0.9	1.0	0.9	0.9	1.0	1.0
10	0.5	0.6	0.6	0.5	0.5	0.6	0.6



-29.8 -29.8 -29.8 46 4.6 2 47 4.7 3 48 3.9 49 4.3 50 5 4.3 6 _ 51 7 52 8 53 54 10 55 **56** 11 57 12 3.2 3.2 3.2 13 -0.5 -0.5 -0.5 58 14 0 59 0 0 15 1.5 1.5 1.5 60 0 16 0 0 61 17 1.5 1.5 1.5 62 0.2 63 18 0.2 0.2 19 2.3 2.3 2.3 64 20 2.4 2.4 2.4 21 22 0.2 0.2 0.2 23 0.2 0.2 0.2 24 5.0 5.0 5.0 25 26 27 0.0 0.0 0.0 IC102 FUNC/TIMBR C.B.A 5.0 5.0 5.0 5.0 5.0 PIN NO LAY 5.0 STOP 28 29 3.9 3.9 3.9 5.0 5.0 30 2 5.0 5.0 31 _ 3 0 32 0 0 0 4 5.0 5.0 33 0.2 0.2 0.2 5 0 34 0.2 0.2 0.26 5.0 5.0 35 0.2 0.2 0.2 36 5.0 5.0 5.0 5 8 37 5.0 5.0 5.0 38 5.1 5.1 5.1 39 2.3 2.3 2.3 IC103 FUNC/TIBR C.B.A 40 2.6 2.6 2.6 41 5.0 5.0 STOP 5.0 PIN NO FLAY 42 4.4 4.4 4.4 43 3.0 3.0 3.0 5.1 5.1 44 2 5.1 5. 1 45 _ _ 3 0

IC101 FUNC/TIMBR C.B.A

PLAY

RBC

PIN NO

STOP

PIN NO

IC101 FUNC/TIMBR C.B.A

PLAY

4.6

4.7

3.9

4.3

4.3

REC

4.6

4.7

3.9

4.3

4.3

_

_

REC

5.0

5.0

5.0

5.0

RBC

5.1

5.1

0

5

n

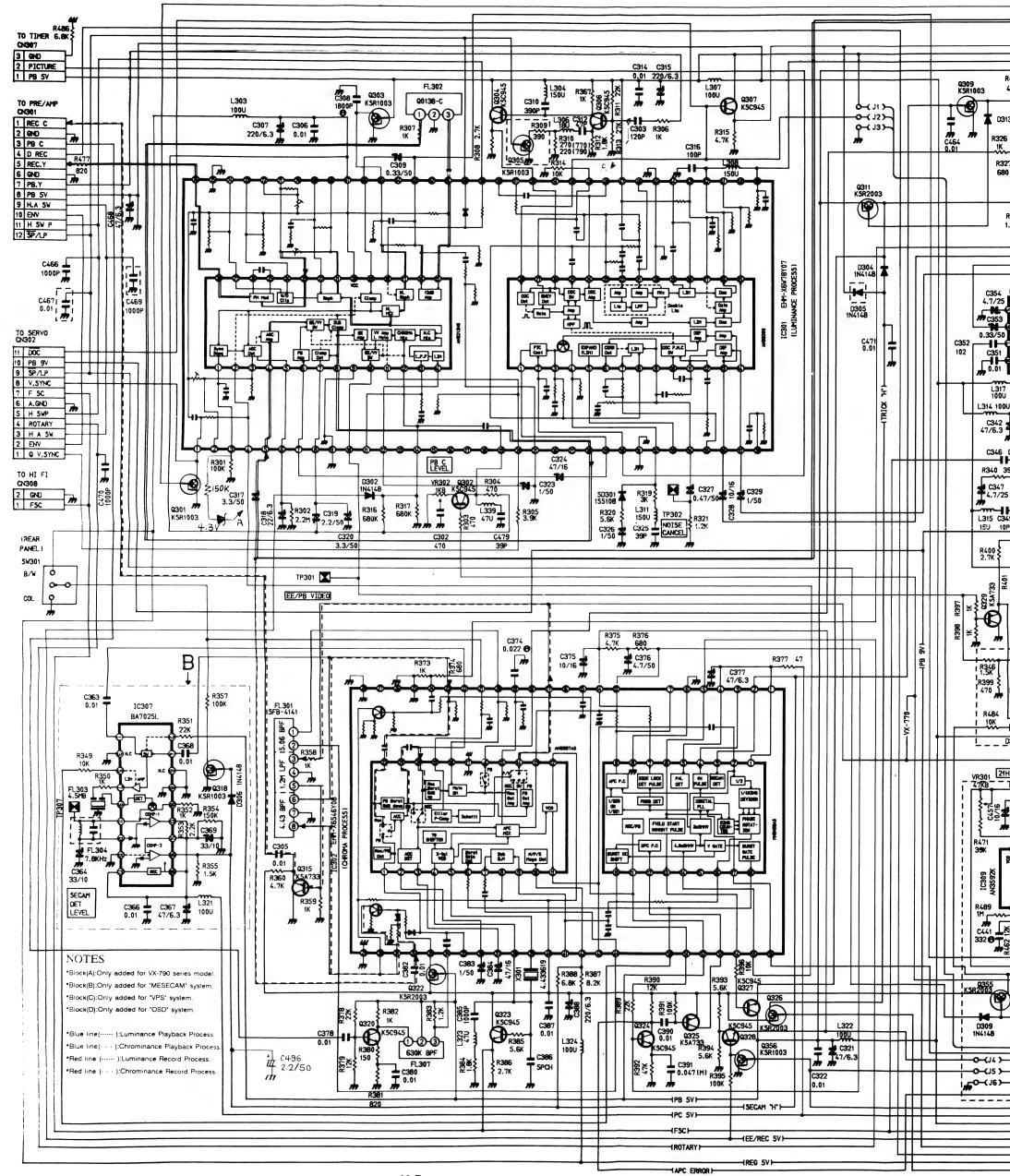
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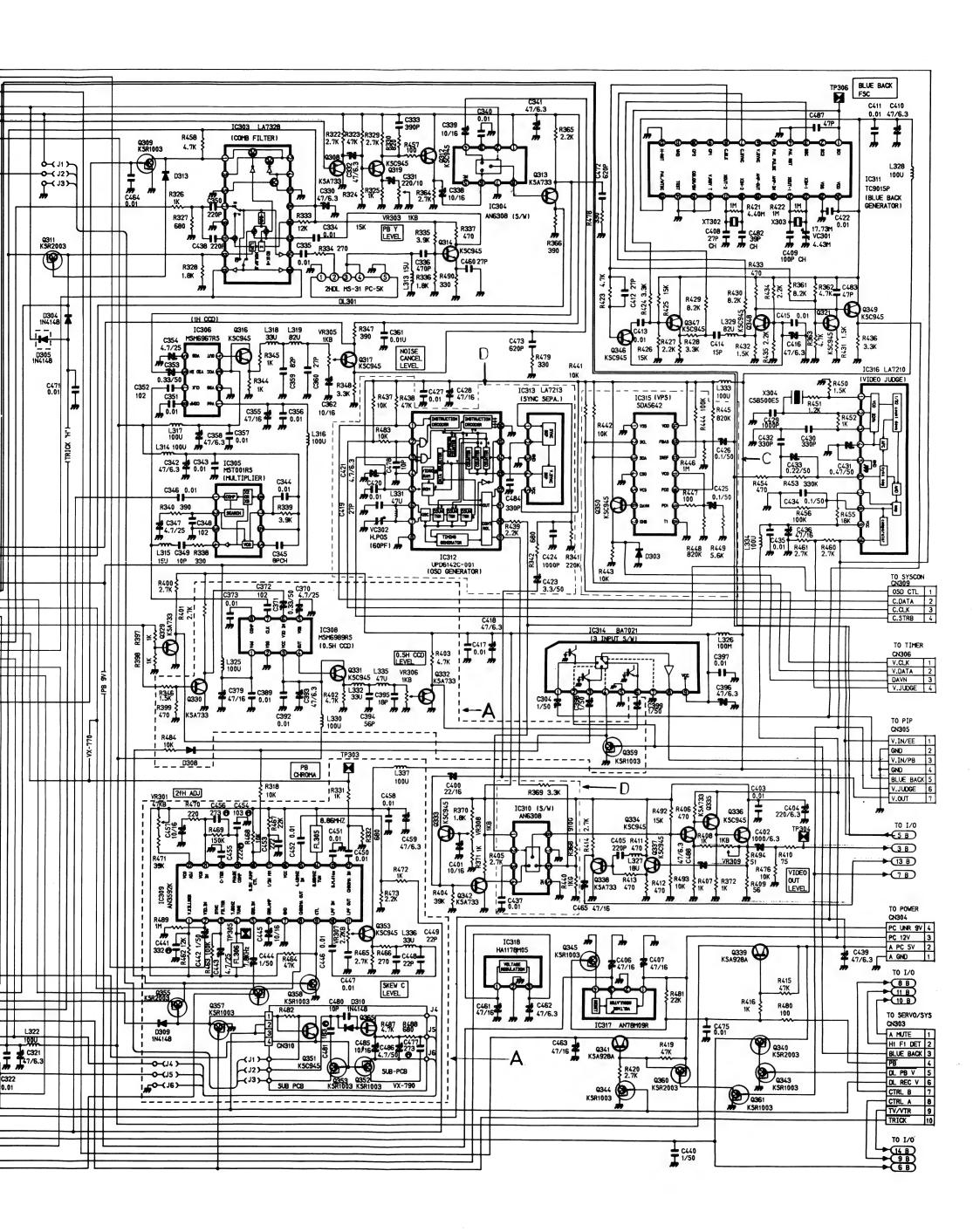
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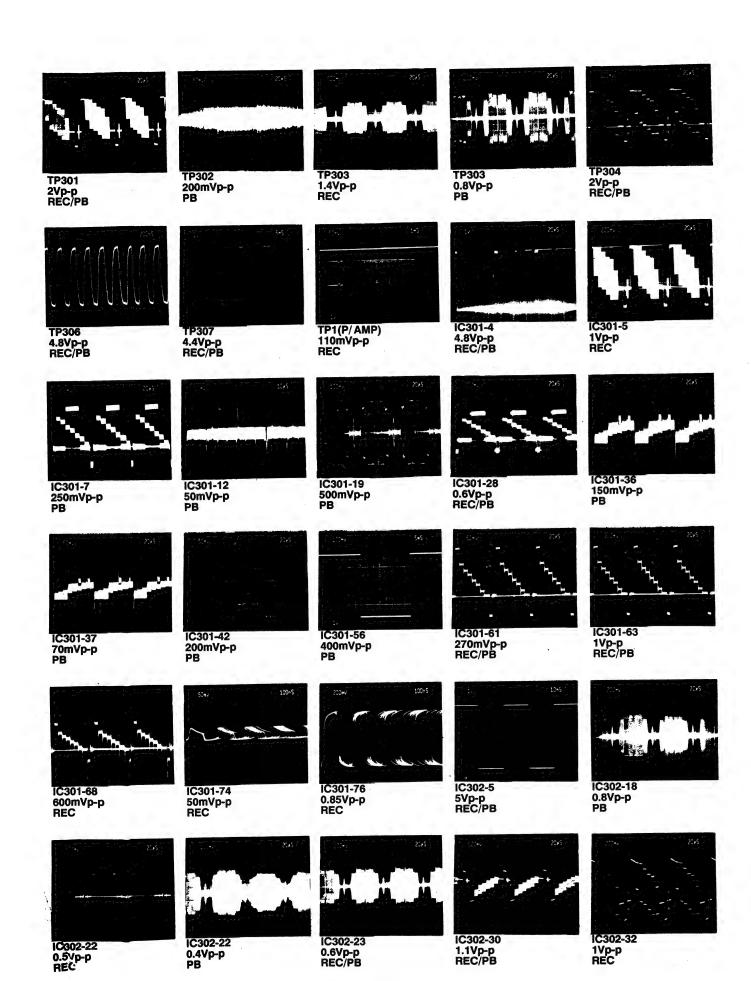
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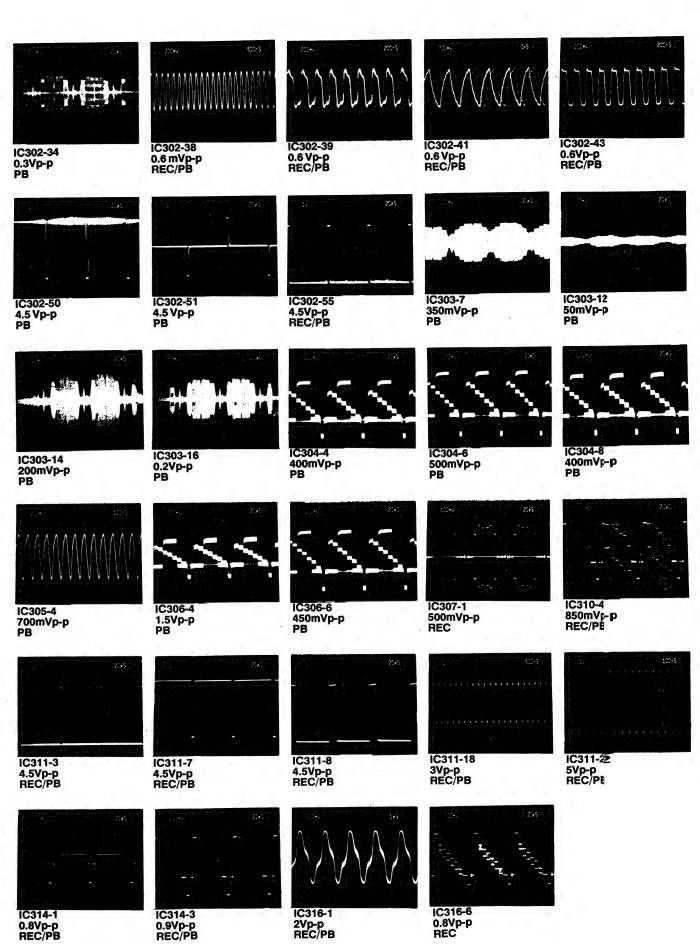
STOP

10-5. Lumiance/Chrominance









IC301	MAIN	"A(VI)BO) (C.B.A	IC302	MAIN	"A(VI	DBO)	C.B.A	10) M	AIN "	A(VID	BO) C	-B-A	IC M	AIN "A	"(VID	30) C	.B.A
IC LOC-NO	PIN NO.	STOP	RBC	PLAY	IC LOC-NO	PIN NO.	STOP	RBC	PLAY	IC	; C·NO	PIN NO.	STOP	RBC	PLAY	IC LOC.N	PIN NO.	STOP	RBC	PLAY
IC 301 IC 301 IC 301 IC 301 IC 301 IC 301 IC 301	1 2 3 4 5 6 7	0.4 2.4 2.5 0.4 2.8 2.3 3.2	0.4 2.4 2.5 0.4 2.8 2.3 3.2	0 2.4 2.5 0.4 2.8 2.0 3.1	IC 301 IC 301 IC 301 IC 301 IC 301	72 73 74 75	2.0 3.2 2.7 2.9 0 3.3	2.0 3.2 2.7 2.9 0 3.3	3.2 2.7 2.9 0	10 10 10 10 10	303 303 303 303 303 303	i 2 3 4 5 6 7	0.2 0 0 0 0 0	0.2 0 0 0 0 0	4.7 2.1 2.1 0 0 0 2.4	IC31 IC31 IC31 IC31 IC31 IC31 IC31	1 2 1 3 1 4 1 5 1 6	2.5 2.5 0.2 0 2.5 0	2.5 2.5 0.2 0 2.5 0	2.5 2.5 0.2 0 2.5 0
IC 301 IC 301 IC 301 IC 301 IC 301 IC 301 IC 301 IC 301 IC 301	8 9 10 11 12 13 14 15 16	1.3 0 1.9 0.7 0.4 0 4.5	1.3 0 1.9 0.7 0.4 0 4.5	1.3 0 2.3 2.5 3.1 0 2.7 0	IC302		"A(VII		C.B.A PLAY	10 10 10 10 10 10	303 303 303 303 303 303 303	8 9 10 11 12 13 14 15 16	0.2 0.2 0.1 0 0 0 0	0.2 0.2 0.1 0 0 0	4.8 0 2.9 2.4 2.6 1.6 1.7 2.3 2.3	IC31 IC31 IC31 IC31 IC31 IC31 IC31 IC31	1 9 1 10 1 11 1 12 1 13 1 14 1 15 1 16	1.3 0.1 0.4 0.8 0 5.0 0	1.3 0.1 0.4 0.8 0 5.0 0	1.3 0.4 0.8 0 5.0 0
IC 301 IC 301 IC 301 IC 301 IC 301 IC 301 IC 301 IC 301 IC 301	17 18 19 20 21 26 27 28 29	0 0 3.9 2.2 0 0 0 1.6	0 0 3.9 2.2 0 0 0 1.6	0 4.0 0 0 0 0 1.6 2.8	IC 302 IC 302 IC 302 IC 302 IC 302 IC 302 IC 302 IC 302	2 3 4 5 6 7	5.0 0.3 0.3 5.0 0 4.9 2.5	5.0 0.3 0.3 5.0 0 4.9 2.5	0.3 5.0 0 0 4.9 2.5	IC IC IC IC IC IC IC	304 304 304 304 304	1 2 3 4 5 6 7 8	0.2 0 0 0 0 0 0	0.2 0 0 0 0 0	4.8 4.3 2.4 2.5 0 2.5 0 2.5	IC31 IC31 IC31 IC31 IC31 IC31 IC31	1 18 1 19 1 20 1 21 1 22 1 23 1 24	2.2 2.5 0 4.8 2.6 2.6 0 5.0	2.2 2.5 0 4.8 2.6 2.6 5.0	2.2 2.5 0 4.8 2.6 2.6
IC 301 IC 301 IC 301 IC 301 IC 301 IC 301 IC 301 IC 301	30 31 32 33 34 35 36 37 38	0.1 0 0.1 0 0 0	0.1 0 0.1 0 0 0	3.1 0 1.4 2.4 0 0.1 3.6 3.6 0	IE 302 IC 302 IC 302 IC 302 IC 302 IC 302 IC 302 IC 302 IC 302 IC 302	15 16 17 18 19 20 21 22	2.5 1.1 0 2.7 2.0 2.4 0 2.4 3.5	2.5 1.1 0 2.7 2.0 2.4 0 2.4 3.5	2.5 1.1 0 2.6 2.0 1.8 0 2.4 3.5	10 10 10 10 10 10	305 305 305 305 305 305	1 2 3 4 5 6 7 8	0 0 0 0 0.2 0.2	0 0 0 0 0.2 0.2	2.6 2.2 0 3.2 3.2 4.9 3.5 3.5	10319 10319 10319 10319 10319 10319 10319	5 2 5 3 5 4 5 5 6 7 8 5 9	0 5.0 5.0 0 0.5 4.9 0 2.1	5.0 5.0 0.5 4.9 0 2.1	5.0 5.0 4.9 4.9 0 0.1
IC 301 IC 301 IC 301 IC 301 IC 301 IC 301 IC 301		0 0 0 0 0.1	000000000000000000000000000000000000000	0 1.5 1.5 1.7 2.1 0 3.7	IC 302 IC 302 IC 302 IC 302 IC 302 IC 302 IC 302	24 25 26 27 28 29 30	0 0 0 0 0 0 3.2	0 0 0 0 0 3.2	0 0 1.7 0 0 2.7		306 306 306 306 306 306		0.6 0 0.2 0 0 0	0.6 0 0.2 0 0	8.8 0 4.9 3.3 3.2 2.2 1.5	IC31: IC31: IC31: IC31: IC31: IC31:	5 11 5 12 5 13 5 14	1.8 2.1 3.4 1.6 5.0	0	0
IC 301 IC 301	48 49 50 51 56 57 58 59 60 61 62 63 64 65 66	0.2 0 0.3 0 0.2 0 0.2 0 0.4 0.9 4.0 4.9 2.1	0.2 0.3 0.2 0.2 0.2 0.4 0.9 4.9 2.1 2.1	4.8 3.2 0.9 4.9 0 3.2 4.8 0 0 1.4 0 2.4 0 4.9 4.9 2.1 2.1	IC 302 IC 302 IC 302 IC 302 IC 302 IC 302 IC 302 IC 302 IC 302 IC 302 IC 302 IC 302 IC 302 IC 302 IC 302 IC 302	33 34 35 36 37 38 39 40 41 42 43 44 50 51 52 53 54	3.2 4.9 0.2 4.4 3.2 2.8 4.9 2.8 4.7 2.5 0 0.2 0.2	3.2 4.9 0.2 4.4 3.2 2.9 2.8 4.9 3.9 1.8 4.7 2.5 0.2 0.2	0.2 4.8 3.0 3.2 3.2 2.9 3.2 4.9 3.9 1.8 4.1 0 4.6 2.5 4.8 0.1		306 C307 C307 C307 C307 C307 C307 C307 C307	8 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	3.6 0.2 0 3.6 4.6 0 3.0 0 3.6 0 3.6 0	3.6 0.2 0 3.6 4.6 0 3.0 0 3.6 0 3.6 0 0 5.0	3.6 1.0 0 3.6 4.6 0 3.0 0 3.6 1.9 3.6 1.8 0 5.0	IC31		0.6	0.6	8.9

10-9

-			 		4			1			
	Q 301	0	-0.5	0.4	0	-0.5	0.4	0	10.8	0	•
	Q 302	2.0	2.7	3.9	2.0	2.7	3.9	0	0	5.0	
	Q 304	0	0.2	0.2	0	0.2	0.2	3.2	3.8	4.8	
	Q 307	0	0.3	0.2	0.	0.3	0.2	4.2	4.9	4.9	
	Q 308	0.2	0	0	0.2	0	0	2.2	1.5	0	
-	Q 309	0	0.3	0.2	0	0.3	0.2	0	0.3	4.7	1
ĺ	Q 311	0.2	0.2	0	0.2	0.2	0	4.8	4.8	1.6	
	Q 312	0	0.2	0.2	0	0.2	0.2	2.7	3.4	4.9	I
	Q 313	0.2	0	0	0.2	0	0	3.1	2.5	0.3	
	Q 314	0	0	0.2	0	0	0.2	0.9	1.5	3.6	
	Q 315	2.0	1.3	0	2.0	1.3	0	0.7	0	0	
	Q 316	0	0	0.2	0	0	0.2	2.6	3.3	5.0	
	Q 317	0	0	0.2	Ö	Ö	0.2	2.0	2.6	4.6	ı
	Q 318	0	2.4	0	Ö	2.4	0	0	0	2.8	ı
	Q 319	0	0	0.2	Ŏ	0	2.2	0.5	1.2	3.4	ı
	Q 320	0	0.2	0.2	0	0.2	0.2	1.0	1.7	3.8	ĺ
	Q 321	1.6	2.2	4.0	1.6	2.2	4.0	1.6	2.2	4.0	ı
	Q 322	4.9	0.2	4.9	4.9	0.2	4.9	4.9	4.8	-0.2	
	Q 323	2.2	2.8	5.0	2.2	2.8	5.0	2.2	2.8	4.9	
	Q 324	2.0	2.6	4.4	2.0	2.6	4.4	2.0	2.5	4.4	
	Q 325	4.9	4.8	0	4.9	4.8	0	4.9	4.9	0	ĺ
	Q 326	5	5	Ö	5	5	0	5	5	0	
	Q 326	4.9	4.9	0	4.9	4.9	0	4.9	4.9	Ö	
	Q 327	0		Ŏ	0	0	0	1.6	0.3	4.9	1
	Q 328	2.6	0	2.5	2.6	0	2.5	2.6	0.5	2.5	
	Q 329	1.6	1.0	0	1.6	1.0	0	2.0	1.3	0	i
	Q 333	0	1.4	5.0	0	1.4	5.0	0	1.8	5.0	
	Q 334	1.8	2.4	11	1.8	2.4	11	1.8	2.4	11	
	Q 335	12	11	3	12	11	3	12	11	3	
	Q 336	2.3	2.6	5	2.3	2.6	3 5	2.5	3.1	4.9	
	Q 337	1.2	1.8	3.7	1.2	1.8	3.7	1.2	1.8	3.7	
	Q 338	1.9	1.2	0	1.9	1.2	0	0	1.2	1.9	
	Q 339	5.0	0.2	5.0	5.0	0.2	5.0	5.0	4.3	5.0	
	Q 340	5	0	5	5	0	5	5	5	0	
	Q 341	12.0	12.0	11.0	12.0	12.0	11.0	12.0	12.0	o l	
	Q 342	2.4	1.8	0	2.4	1.8		2.4	1.8		
	Q 343	0	5	Ö	0	5	0	0	1.0	0	
	Q 344	0	0	11.8	0	4.4	0	0	0	12	
	Q 345	ő	5	0	0	5	0	0	. 5	0	
	Q 346	2.6	1	2.6	2.6	1	2.6	2.6	1	2.6	
	Q 348	2.0	2.6	4.0	2.0	2.6	4.0	2.0	2.6	4.0	
	Q 349	3.4	4.0	5.0	3.4	4.0	5.0				
	Q 350	4.3	5	5	4.2	5	5	3.4 4.2	4.0	5.0	
	Q 356	0	0.1	0			0		5	5	
	Q 360	12.0		4	0	4.4		0	0.1	0	
	Q 361	0	12.0 12	11.0	12.0	12.0 12	11.0	12.0	0	12	
	# 201	U	16	U	U	16	0	0	11	0	

TR MAIN " A "(VIDEO) C.B.A

STOP

В

C

R B C

В

C

PLAY

В

C

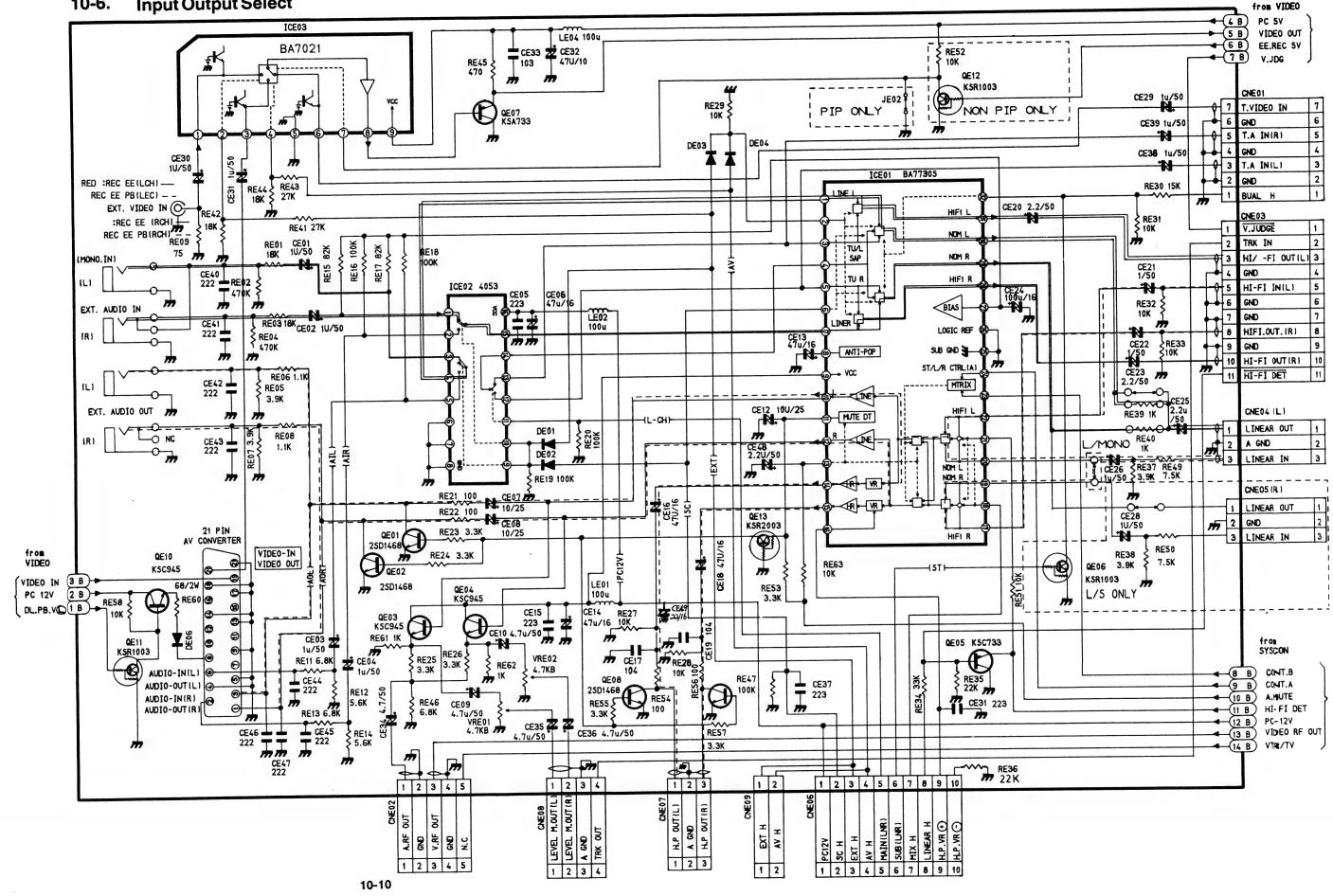
MODB

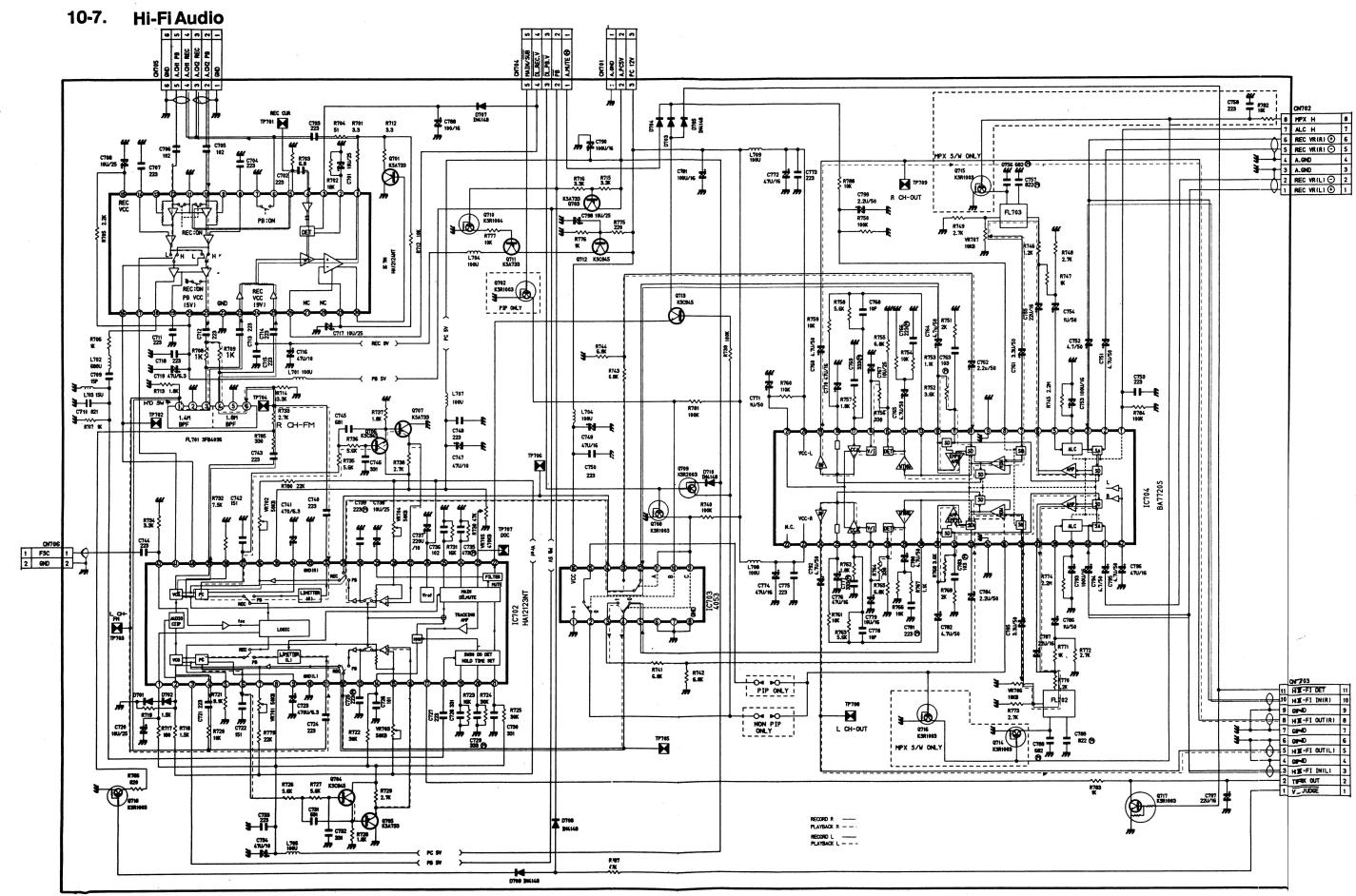
TR NO.

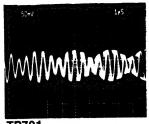
IC	MAIR	1 "C" (HI-F	()	IC MAIN "C"(HI-FI)						
IC LOC	: NO	PIN NO.	RBC	PLAY		IC LOC	.NO	PIN NO.	RBC	PLAY	
IC	701	1	4.6	0.4		IC	702	37	2.2	2.6	
IC	701 701	2	1.0	0 3.3	1	IC	702 702	38 39	0.6 3.6	0.7	
IC	701	4	4.5	0	į	IC	702	40	0	0.6	
IC	701 701	5 6	0	0		IC	702 702	41	0.5	0.5	
IC	701	7	0	0					0.5	0.0	
IC	701	8	0	1.7 0.7		10	702		10		
IC	701 701	9	0	0.6		IC IC	703 703		0 0.3	0 4.5	
IC	701	11	0	0		IC	703	3	0	2.3	
IC	701	12 13	0	0.6		IC IC	703	4 5	2.5	2.3	
IC	701	14	0	1.7		IC	703		0	0	
IC	701	15	0	4.9		IC	703	7	0	0	
IC	701 701	16 17	0	2.4		IC	703 703	8	0	11.8	
ic	701	18	0.3	2.9		IC	703	10	11.8		
IC	701	19	0	2.4		IC	703	11	0	11.8	
IC	701 701	20 21	0	5.0 2.9		IC	703 703	12 13	2.5 0	2.4	
IC	701	22	0	0		ic	703	14	2.5	2.3	
IC	701	23	3.7	0	-	IC	703	15	0 12.0	0	
IC	701 701	24 25	8.9	0		IC	703	16	12.0	12.0	
IC	701	26	0	3.8		IC	704	1	0	0	
IC	701	27	0	0		IC	704	2	6.0	6.0	
IC	701 701	28 29	0 4.5	0.3		IC IC	704		0.6	0.6	
IC	701	30	4.0	0		IC	704	5	5.7	5.7	
10	702	1	1.2	1.2		IC IC	704		6.0	6.0	
IC	702 702	2	1.0			IC	704			0.0	
IC	702	3	0	5.0		IC	704			0	
IC	702 702	:	3.4 0.6			IC	704 704		6.0	6.0	
IC	702	6	2.2	:		IC	704			6.0	
IC	702	7	2.5	2.5		IC	704		6.0	6.0	
IC	702 702	8 9	5.0	5.0 1.3		IC	704	-	6.0	6.0	
IC	702	10	0	0		IC	704		0	0	
IC	702	11	0	1.8		IC	704			6.0	
IC	702 702		2.5 5.0			IC IC	704 704		6.0	6.0	
IC	702		5.0	4.3		IC	704	20	12.0	12.0	
IC	702		1.7			IC	704		0.9	0.9	
IC IC	702 702		2.2	2.5		IC	704 704		0 12.0	0 12.0	
IC	702		0	1.8		IC	704	24	6.0	6.0	
IC	702		1.8			IC	704			6.0	
IC IC	702 702		1.2	4.1		IC IC	704 704			6.0 0.7	
	702	22	4.2	0.4		IC	704	28	0	0.5	
IC	702		2.6			IC	704			6.0	
IC IC	702 702		1.2			IC IC	704 704			6.0	
IC	702	26	2.5	2.5		IC	704	32	6.0	6.0	
IC	702		2.2			IC	704			6.0	
IC IC	702 702		1.7			IC IC	704 704		0.2	0 4.5	
IC	702	30	5.0	1.7	1	IC	704	36	6.0	6.0	
IC	702		2.5			IC	704		:	6.0	
IC	702 702		0 1.3	1.8		IC IC	704 704		5.7 0.6	5.7 0.6	
IC	702		5.0	1.4		IC	704	40	6.0	6.0	
IC	702	35	5.0	3		IC	704		6.0	6.0	
IC	702	36	2.5	2.5		IC	704	42	6.0	6.0	

TR MAIN	"C"	(HI-F	I)
TR Loc.No	PIN NO.	REC	PLAY
Q 701	B B C	3	0.3 0 0
Q 703	В	5.1	5.1 4.3 5.0
Q 704		2.2	2.5 1.9 0
Q 705	В	1.6	2.5 1.9 0
Q 706	B C	2.2	1.9 2.5 5.0
Q 707	E B C	2.2 1.6 0	2.5 1.8 0
Q 709	В	4.5	4.5 0.1 4.5
Q 710	В	5.0	0 0.2 8.6
Q 711	В	8.3	9.4 8.6 0
Q 712	В		9.4 9.8 11.8
Q 713	В	0	0.4 0.9 0.4
Q 717		0 0 0	0 3·2 0
Q 718	В	3.7	0 0.4 0

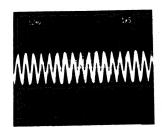
10-6. Input Output Select







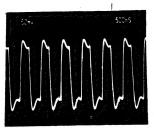
TP701 110mVp-p REC AFM F=1 KHz



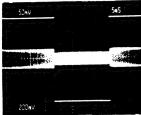
TP701 110mVp-p REC AFM F=0 Hz



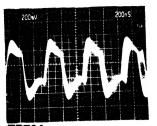
TP703 230mVp-p L CH-FM F = 1 KHzl



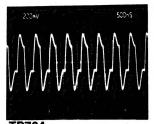
TP703 230mVp-p L CH-FM F = 0Hz



TP703 230mVp-p PB



TP704 880mVp-p R CH-FM F = 1 KHz



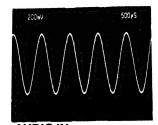
TP704 800mVp-p R CH-FM F = 0Hz



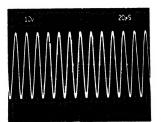
400mVp-p PB



AUDIO OUT 1.1Vp-p PB



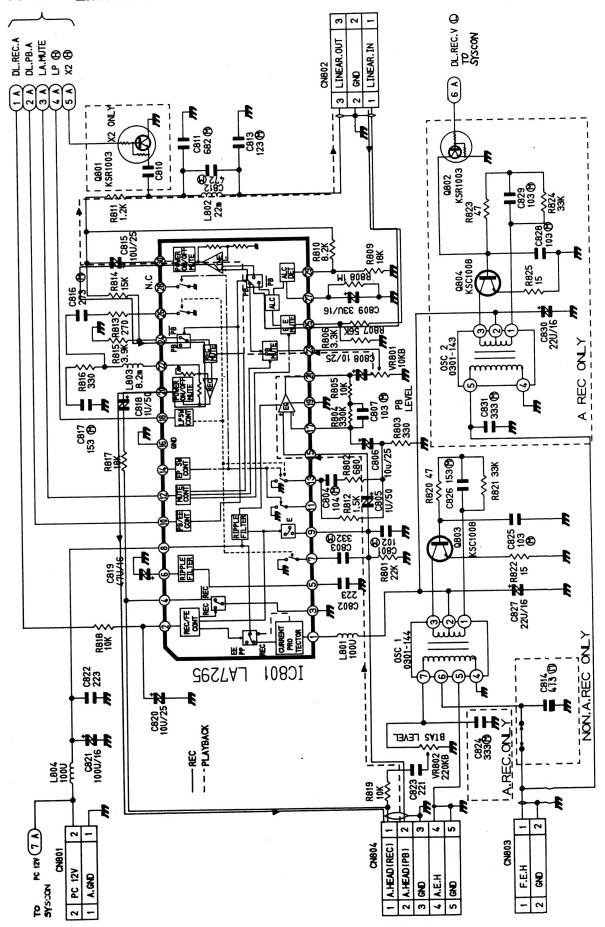
AUDIO IN 800mVp-p REC

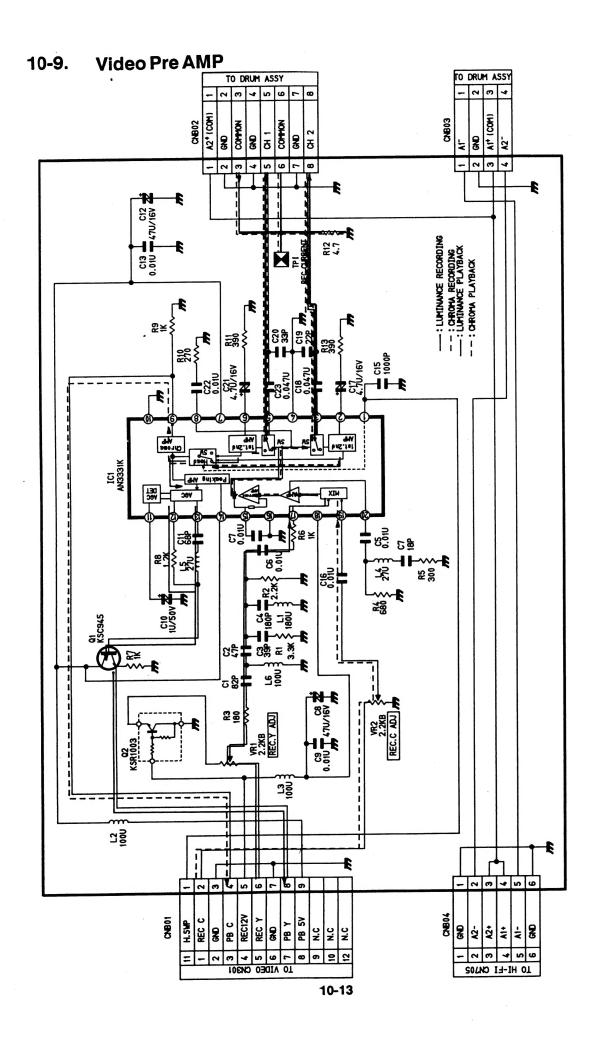


CN803-1 45Vp-p REC

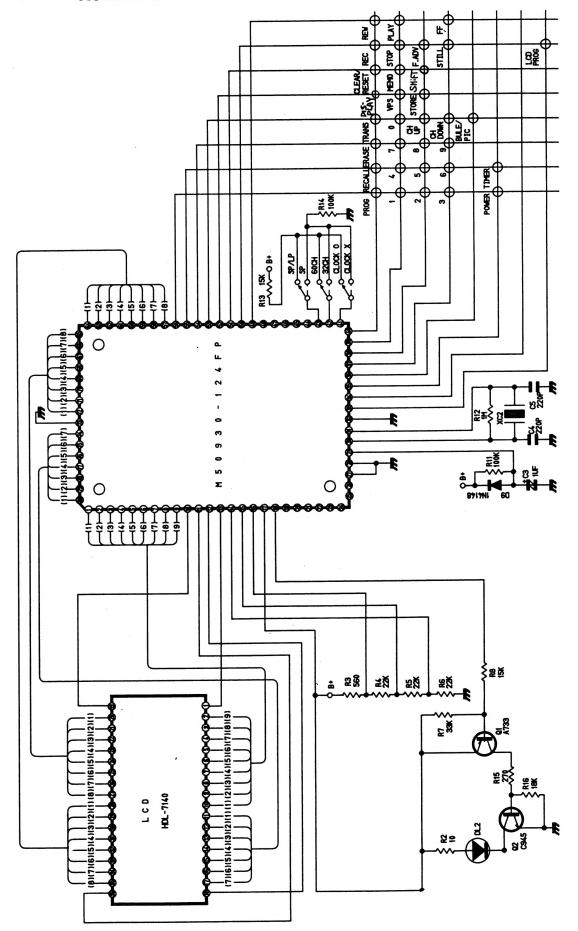
10-12

10-8. Linear Audio

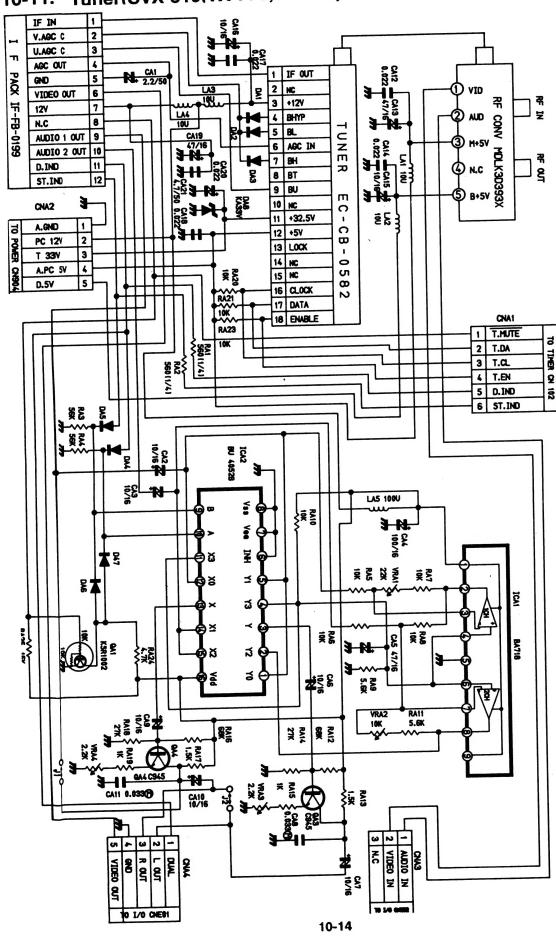




10-10. Remote Control



10-11. Tuner(SVX-319,VX-770,VB-770)



10-12. Tuner(VI-770)

